Welcome to
Kitsilano
Secondary School

Course Planning Guide 2017-2018

Kitsilano
A Place Where you find
Safety, Energy, Respect
Passion for Learning!

Fiat Lux!

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# TABLE OF CONTENTS

Graduation Requirements ........................................................................................................... 1
Intermediate Program Requirements (Grades 8 & 9) English ....................................................... 2
Intermediate Program Requirements (Grades 8 & 9) French Immersion .................................. 3
Skills Development Centre ....................................................................................................... 4

## ACADEMIC PROGRAMS

English Program Courses ........................................................................................................ 5 - 7
ELL Program ............................................................................................................................ 8
Immersion Française ................................................................................................................ 9 - 10
Mathematics Program Courses .............................................................................................. 11 - 16
Modern Languages Program Courses ..................................................................................... 17 - 18
Science Program Courses ...................................................................................................... 19 - 21
Social Studies Program Courses ............................................................................................. 22 - 25

## ELECTIVE PROGRAMS

Business Education .................................................................................................................. 26 - 27
Fine & Performing Arts Program Courses
  - Art ................................................................................................................................. 28 - 29
  - Drama/Theatre ............................................................................................................... 30 - 31
  - Film & Television .......................................................................................................... 32
  - Graphic Arts ................................................................................................................... 33
  - Animation ....................................................................................................................... 33
  - Photography .................................................................................................................... 34
  - Yearbook ........................................................................................................................ 34
  - International Field Studies ............................................................................................ 35
  - Music ............................................................................................................................... 36

Home Economics ..................................................................................................................... 37
Information Technology .......................................................................................................... 38 - 39
Physical Education .................................................................................................................. 40 - 41
Technical Studies .................................................................................................................... 42 - 43

## DISTRICT PROGRAMS

Apprenticeship & ACE IT Programs ....................................................................................... 44 - 46
Career Preparation Programs ................................................................................................. 47 - 49
Adult Education & Online Learning with the Vancouver School Board ............................... 50 - 51

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This Booklet has been prepared by Teachers, Counsellors and Administrators at Kitsilano Secondary School.
THE IMPORTANCE OF COURSE PLANNING AND
IMPORTANT COURSE PLANNING DEADLINES

Course planning is the single-most important process that occurs at a secondary school. It determines the courses a student will take and it determines the courses that teachers will teach.

Student Course Planning takes place between February and March where students select their courses on-line. They can change their minds a 1000 times during this window. However, after this window closes, we base our staffing and timetable on these course requests.

Students may now choose to take courses on-line or during summer school. If this is their plan they should not sign up for these courses at the school and let their counselor know.

In September, we expect a student to take the courses they had selected between February 10-March 6. It is usually not possible to change classes. We do run a single after-school session after the first two weeks of classes for students who wish to try to switch courses. For example, on Wed Sept 16 we may allow grade 12s to try and change courses. However, it is usually not possible for students to make these switches due to (1) full classes and/or (2) lack of fit in their schedule.

“BLENDED CLASSES”:

*This year we will be offering a limited number of Blended classes subject to student sign-up.

Blended learning is a flexible, student-centered approach to course work that combines traditional face-to-face classes with online content delivery, instruction and inquiry opportunities outside of the classroom. Courses are scheduled during a specific block but do not meet unless they are instructed to do so by their teacher. A significant portion of learning activities takes place online through a secured learning management system, where students are expected to access content, submit work, make presentations, and participate in forum discussions.

Participating teachers will approach activities and the proportion of in-class to online contact differently, but students should expect the workload and time commitment in blended classes to be comparable to traditional ones.

Students considering a blended class should have regular access to a home computer, a reliable Internet connection, and a willingness to experiment with different ways of learning. Blended education can be beneficial to many learners. Blended courses should give greater flexibility to students who have acquired a concept and more face-to-face time for students who require greater assistance in acquiring a concept.

During course selection students should select the course with the “blended” suffix.

For example the options would look like:
- Physics 11
- Physics 11 blended
B.C. SECONDARY SCHOOL REGULAR GRADUATION REQUIREMENTS FOR STUDENTS BEGINNING GRADE 10 AFTER JULY 1, 2004

To graduate, students must complete a minimum of 80 credits over the 3 year Graduation Program: 48 required course credits, 28 or more elective credits, and 4 credits from Graduation Transitions.

<table>
<thead>
<tr>
<th>Required Courses</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>1 English 10</td>
<td>4</td>
</tr>
<tr>
<td>2 English 11 or Communications 11</td>
<td>4</td>
</tr>
<tr>
<td>3 English 12 or Communications 12</td>
<td>4</td>
</tr>
<tr>
<td>4 Social Studies 10 or Sciences Humanes 10</td>
<td>4</td>
</tr>
<tr>
<td>5 ONE OF: Social Studies 11, Civics 11, First Nations 12 or Sciences Humanes 11</td>
<td>4</td>
</tr>
<tr>
<td>6 Science 10 or Sciences 10</td>
<td>4</td>
</tr>
<tr>
<td>7 ONE OF: Physics 11, Chemistry 11, Science &amp; Technology 11, Earth Science 11</td>
<td>Biology 11, Biology 12, Physics 12, Chemistry 12</td>
</tr>
<tr>
<td>8 ONE OF: Math 10-Foundations/Pre-Calculus, Math 10 Applications &amp; Workplace</td>
<td>4</td>
</tr>
<tr>
<td>9 ONE OF: Mathematics 11 Applications &amp; Workplace, Math 11 Pre-Calculus, Math 11 Pre-Calculus Enriched</td>
<td>Calculus 12, Math 12 Pre-Calculus Enriched AP Calculus</td>
</tr>
<tr>
<td>10 Physical Education 10</td>
<td>4</td>
</tr>
<tr>
<td>11 Fine Arts and/or Applied Skills 10 or 11 or 12</td>
<td>4</td>
</tr>
<tr>
<td>12 Planning 10</td>
<td>4</td>
</tr>
<tr>
<td>13 Graduation Transitions</td>
<td>4</td>
</tr>
<tr>
<td>15 SELECTED STUDIES (ELECTIVES)</td>
<td></td>
</tr>
<tr>
<td>Students must complete a minimum of 28 elective credits, of these:</td>
<td></td>
</tr>
<tr>
<td>- A minimum of 12 credits required at the Grade 12 level</td>
<td></td>
</tr>
<tr>
<td>- A minimum of 16 credits from the Grade 10, 11 or 12 electives</td>
<td></td>
</tr>
<tr>
<td>TOTAL CREDITS</td>
<td>80</td>
</tr>
</tbody>
</table>
## Intermediate

*Program Requirements ~ English Program*

<table>
<thead>
<tr>
<th>Grade</th>
<th>8</th>
<th>9</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>All students must take these courses</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>1. English 8</td>
<td></td>
<td>English 9</td>
</tr>
<tr>
<td>2. Social Studies 8</td>
<td></td>
<td>Social Studies 9</td>
</tr>
<tr>
<td>3. Math 8</td>
<td></td>
<td>Math 9</td>
</tr>
<tr>
<td>4. Science 8</td>
<td></td>
<td>Science 9</td>
</tr>
<tr>
<td>5. Physical Education 8</td>
<td></td>
<td>Physical Education 9</td>
</tr>
<tr>
<td>6. French 8</td>
<td></td>
<td>Fine Arts: Choose 1 Full Year Course (4 credits)</td>
</tr>
<tr>
<td>7. Fine Arts 8 or Band 8</td>
<td></td>
<td>Applied Skills: Choose 1 Full Year Course (4 credits)</td>
</tr>
<tr>
<td>8. Applied Skills 8</td>
<td></td>
<td>Choose 1 Full Year Course (4 credits)</td>
</tr>
</tbody>
</table>

*Students must take 8 courses per year. Choose from offerings below*

<table>
<thead>
<tr>
<th><strong>Languages</strong></th>
<th><strong>Fine Arts: Full-Year Courses</strong></th>
<th><strong>Applied Skills: Full Year Courses</strong></th>
</tr>
</thead>
<tbody>
<tr>
<td>French 9</td>
<td>Band 8, 9 (Beginner/Concert)</td>
<td>Entrepreneurship and Marketing 9</td>
</tr>
<tr>
<td>French 10</td>
<td>Choir 9</td>
<td>Food Studies 9</td>
</tr>
<tr>
<td>Spanish 9</td>
<td>Drama 9</td>
<td>Textiles 9</td>
</tr>
<tr>
<td>Spanish 10</td>
<td>Media Arts 9</td>
<td>Information and Communication</td>
</tr>
<tr>
<td></td>
<td>Graphics 9</td>
<td>Technologies 9</td>
</tr>
<tr>
<td></td>
<td>Photo 9</td>
<td>General Tech Studies 9</td>
</tr>
<tr>
<td></td>
<td>Ceramics 9</td>
<td>Woodwork 9</td>
</tr>
<tr>
<td></td>
<td>General Art 9</td>
<td>Metalwork 9</td>
</tr>
</tbody>
</table>
# Intermediate

**Program Requirements - French Immersion (Early & Late)**

<table>
<thead>
<tr>
<th>Grade</th>
<th>8</th>
<th>9</th>
</tr>
</thead>
<tbody>
<tr>
<td>All students must take these courses</td>
<td></td>
<td></td>
</tr>
<tr>
<td>1. English 8</td>
<td>English 9</td>
<td></td>
</tr>
<tr>
<td>2. Sciences Humaines 8*</td>
<td>Sciences Humaines 9*</td>
<td></td>
</tr>
<tr>
<td>3. Math 8</td>
<td>Math 9</td>
<td></td>
</tr>
<tr>
<td>4. Sciences 8*</td>
<td>Sciences 9*</td>
<td></td>
</tr>
<tr>
<td>5. Physical Education 8</td>
<td>Physical Education 9</td>
<td></td>
</tr>
<tr>
<td>6. Français Langue 8*</td>
<td>Français Langue 9*</td>
<td></td>
</tr>
<tr>
<td>7. Fine Arts 8*</td>
<td>Etudes de L’environnement 10 / Environment Studies 10*</td>
<td></td>
</tr>
<tr>
<td>8. Applied Skills 8 or Band 8</td>
<td>Choose 1 Full Year Course (4 credits)</td>
<td></td>
</tr>
</tbody>
</table>

*French Immersion Course

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**Students must take 8 courses per year. Choose from offerings below:**

**Languages**

- Spanish 9
- Spanish 10

**Fine Arts: Full Year Courses**

- Band 8, 9 (Beginner/Concert)
- Choir 9
- Drama 9
- Media Arts 9
- Graphics 9
- Photo 9
- Ceramics 9
- General Art 9

**Applied Skills: Full Year Courses**

- Entrepreneurship and Marketing 9
- Food Studies 9
- Textiles 9
- Information and Communication Technologies 9
- General Tech Studies 9
- Woodwork 9
- Metalwork 9
SKILLS DEVELOPMENT CENTRE
The Skills Development Centre offers the following types of support to students:

SCHOOL-BASED RESOURCE TEACHER
The school-based resource teacher is responsible for all students who have undergone a psycho-educational assessment and have received a Ministry of Education designation for learning difficulties. When a student has been assigned to the SBRT caseload, the case manager will ensure that the Individual Education Plan is developed addressing the student’s learning needs. The classroom teachers will receive an adaptation checklist addressing the student’s specific needs, e.g. extra time on exams, class notes, seating etc.

If required, the student will be enrolled in a Skills block where they will receive assistance with developing specific skills required for academic courses and be taught good organizational strategies and self-advocacy skills. Some students may not require a Skills block but will still be monitored by the school-based resource teacher.

If your child has been designated by the Ministry and has not yet been placed on the SBRT caseload, please contact the counsellor regarding this matter.

ACADEMIC SKILLS DEVELOPMENT
This course is designed for students who require assistance with study skills, organizational techniques, written assignment requirements and other learning strategies. It is expected that students learn to use active learning strategies that consist of note-taking, verbal and written rehearsal to attain their educational goals.

Referral for this type of support block may be made through:
- Referral from the elementary L.A.C. teacher
- Referral from Kitsilano teachers / counsellor

PEER TUTORING PROGRAMS
YIPS-2B or YIPS-2A
Peer Tutoring is an excellent opportunity for any grade 11 or 12 student with a positive attitude, good study skills and a desire to gain important leadership skills by helping other students achieve their academic goals across the curriculum.

Some of the best Peer Tutors are SDC students themselves, as they have a desire and willingness to help and are eager to share what they have learned in the junior grades and model good study skills.
ENGLISH

ENGLISH DEPARTMENT

POLICY

Students are not permitted to select an enrichment English course unless they are presently enrolled in the Enrichment Program. Students wishing to enroll must have an "A" average in the regular English course and must be recommended by the respective English teacher. All approved candidates' names will be forwarded to the appropriate counselors by the English teachers.

ENGLISH 8  MEN–08

Leads to: English 9

English 8 is designed to teach students to read for information and enjoyment, to write paragraph compositions, stories and poetry which reflect their own ideas, to speak to classmates in small and large groups on given topics, and to improve their study and organization skills.

Assignments & Activities:  Sentence and paragraph compositions, parts of speech exercises, notebook and journal keeping, reading, vocabulary and spelling study, and oral presentations.

Evaluation:  Based upon quizzes, homework, exams, and written and oral assignments.

ENGLISH 8 Enriched  MEN–08ENR

Leads to: English 9E

Students interested in taking English 8 enriched are expected to be voracious readers and strong writers, with a good grasp of mechanics (spelling, punctuation and grammar). The course covers the core curriculum and includes advanced reading, analysis and essay writing. Content includes mythology, poetry, short stories, a Shakespeare play, and two contemporary novels. Space is limited, and should enrolment exceed the limit, candidates for this course will write a test at Kitsilano in June.

ENGLISH 9  MEN–09

Prerequisite: EN8

Leads to: English 10

In addition to the regular study of literature and English skills, special emphasis is placed on idea organization through paragraph development (listing, chronological order, cause and effect, comparison and contrast). Group work and presentations are also part of the course of study.

Assignments & Activities:  Paragraph and story writing, parts of speech/sentence exercises, reading vocabulary and spelling study, oral presentations.

Evaluation:  Based upon quizzes, homework, exams, and written and oral assignments.

ENGLISH 9 Enriched  MEN–09ENR

Prerequisite: EN8E with a mark of B or EN8 with a mark of A

Leads to: English 10 Enriched

Students coming into this course are already on their way to mastering the art of reading good literature for both enjoyment and insight into the human condition. They enjoy writing and are ready to explore a wide variety of genres and techniques – narrative, expository, analytic and poetic. This course includes the English 9 core program with the addition of a Dickens' novel and two Shakespeare plays.

ENGLISH 10  MEN–10

Prerequisite: EN9

Leads to: English 11

Students study novels, short stories, poetry, essays and drama, including at least one Shakespearean play. Essay writing is emphasized. Speaking and listening skills continue to be developed.

Assignments & Activities:  Students will participate in small group and class discussions and complete individual and group written assignments including expository, narrative, and descriptive essays.

Evaluation:  Based upon quizzes, homework, exams, written and oral assignments.

ENGLISH 10 Enriched  MEN–10ENR

Prerequisite: EN9E

Leads to: English 11 Enriched

Students must have an A or B final letter grade in English 9 Enriched to go on to English 10 Enriched; however, students in the regular program must have an A final letter grade to qualify for placement. The focus of this course will be on literary analysis as well as creative writing. Students will learn how to write an expository essay. In addition to the literature studied in core English, students will read two novels and one play.
ENGLISH 11  MEN--11
Prerequisite: English 10
Leads to: English 12
This course will examine the following areas: a study of recurring themes and traditional forms and devices employed by writers of the short story, the poem, the essay, and drama as literature, including one Shakespearean play; a review of punctuation, English grammar, usage, sentence combining and paragraph writing skills; as well as discussions and formal presentations.
Assignments & Activities: Reading literature, paragraph and essay writing, critical analysis, oral presentations, group discussions and projects, and grammar and usage exercises.
Evaluation: Based upon quizzes, homework, exams, written and oral assignments.

ENGLISH 12  MEN--12
Prerequisite: English 11
The main emphasis of English 12 is the development of critical reading, writing, and thinking. The course will include the study of essays, a Shakespearean play, and modern novels and drama. Composition instruction stresses structure, organization, and the development of style.
Assignments & Activities: Assignments may consist of many of the following: paragraphs, essays, both oral and written reports, and group projects.
Evaluation: Based upon assignments, homework, quizzes, and performance on exams. The Provincial exam accounts for 40% of the student’s final mark.

CREATIVE WRITING 12  MWR--12
Prerequisite: English 11 (A few Grade 11 students will be allowed to take this course with the permission of the Wr.12 teacher)
Each class you will write for 20 to 30 minutes and will be expected to share your writing periodically.

Each year we go to Gambier Island for a writers’ workshop and retreat. We leave on a Thursday, arrive at Gambier, eat lunch together, then go out into the forest alone and write for three hours. Upon our return, we prepare and eat dinner, then have a Grand Soiree at which we share our writing with the group. Gambier is definitely one of the highlights of the writing class.
➢ Term 1: Your major project will be a one-act play which may be performed by the Acting 11 class.
➢ Term 2: Your major project will be a short story.
➢ Term 3: Your major project will be a portfolio of poetry.

You will come out of this course with a portfolio of which you are proud. Writing 12 will improve your writing skills and teach you a great deal about yourself and the human experience.

SENIOR ENRICHMENT PROGRAM
In order to enter the Senior Enrichment Program students must have a B average or better in English 10 Enriched or a teacher’s recommendation. Students in this program must enroll in Literature 12 in their 11th or 12th year.
This is a 2-year program and students must make a commitment for the 2 years, completing English 11 Enriched, Literature 12 and English 12 AP. The Enriched courses are designed to provide stimulation for those students who have shown competence and interest in English and literature.

ENGLISH 11 ENRICHED  MEN--11ENR
Prerequisite: English10 Enriched
Leads to: English 12AP
This course is an introduction and a pre-requisite to the Advanced Placement course in grade 12. There is less creative writing in English 11 enriched than in previous enriched courses. At the beginning, students study essays and short fiction.
Besides the discussion of writing styles and literary devices, this unit includes a variety of essay assignments including literary and critical analysis.

In addition to the core English curriculum, students read three novels, one play, and ten poems.

Besides analysis and response, students write a short story, participate in group presentations, and research and respond to published literary criticism.

LITERATURE 12  MLIT-12
Prerequisite: English 11
Recommended: EN10 (B or better required) EN11 (C+ or better required)
This course surveys, in chronological sequence, the major writers of English literature from Anglo-Saxon times to the 20th Century. Students will study the works of individual authors in relation to the times in which these authors lived.

The course also emphasizes familiarity with basic critical analysis and precision in the use of terminology. The periods of literary history covered include the Middle Ages, the Renaissance, the Restoration and the 18th Century, the Romantic Age, Victorian Age and the Modern Age. This course provides a basis for lifelong learning as students read for pleasure, personal growth, and intellectual challenge.
Assignments, Evaluation & Activities: Classroom work focuses on the reading and analysis of the literature. Written assignments involve the writing of paragraphs and essays.
PSYCHOLOGY

PSYCHOLOGY 11  **YPSYC1A**
We will begin this course with an in-depth study of the brain. We then look at development and personality, with an emphasis on important theorists such as Sigmund Freud and Carl Jung. Next, we will study different psychological disorders such as schizophrenia and bipolar disorder. Finally, we examine social psychology (the study of human behaviour in groups). Material will be presented by way of lectures, film/media study and guest speakers.

There will be one major research project per term, and several open-book tests. First term students will present on a topic associated with the brain. Second term students will write a research paper on a psychological disorder and third term students will complete a social psychology experiment.

PSYCHOLOGY AP (Advanced Placement)
**APSY-12**
Prerequisites: Students should have at least a B in humanities and science courses and complete a placement exam. Psych 11 is recommended but not essential.

The AP Psychology course is designed to introduce students to the systematic and scientific study of the behavior and mental processes of human beings and other animals. Students are exposed to the psychological facts, principles, and phenomena associated with each of the major subfields within psychology. They also learn about the ethics and methods psychologists use in their science and practice. The Advanced Placement Program offers a course and exam in psychology to qualified students who wish to complete studies in secondary school equivalent to an introductory college course in psychology. Students will write the AP exam in May. Many universities grant credit for students who receive a 4 or higher on the AP exam.
Student placement in the English as a Second Language Program is based upon English language testing, age, and academic achievement both in the student’s home country and Canada.

The ELL department provides a four level program for students so that they may improve their English language proficiency and receive support when they move into mainstream courses. ELL course selection is determined by the ELL department.

**Level 1** – is appropriate for students whose English skills are at the beginning level. Level one students have five beginner ELL classes, Math, P.E., and 1-2 elective courses.

**Level 2** – is for students whose English skills are at the intermediate level. Level two students have three to four intermediate ELL classes, Math, P.E., science and social studies when appropriate, and 1-2 electives.

**Level 3** – is for students who have advanced language skills, but are not ready for mainstream English. Level three students have two blocks of advanced ELL classes, science, social studies, math, P.E., and 2 electives.

**Level 4** – is for students who are enrolled in all mainstream classes, including English. These students receive support through English Language Support classes.

Students in English 8, 9 or 10 take one block of English Language Support Junior, and students in English 11 or 12 take one block of English Language Support Senior.

### ELL COURSES CODES:

**GRADE 8 – 9 STUDENTS:**

<table>
<thead>
<tr>
<th>Course</th>
<th>Code</th>
</tr>
</thead>
<tbody>
<tr>
<td>ELL 10 – English 1</td>
<td>XLDE10EN1</td>
</tr>
<tr>
<td>ELL 10 – Science 1</td>
<td>XLDE09SC2</td>
</tr>
<tr>
<td>ELL 10 – Social Studies 1</td>
<td>XLDE10SS1</td>
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<tr>
<td>ELL 10 – Writing 1</td>
<td>XLDE10WR1</td>
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<td>ELL 10 – English 2</td>
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<td>ELL 10 – Writing 2</td>
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<td>ELL 10 – Social Studies 2</td>
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<td>ELL 10 – English 3</td>
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<td>ELL 10 – ELC</td>
<td>XLDE10ELC</td>
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<tr>
<td>ELL 10 – ELSS</td>
<td>XLDE10LS1</td>
</tr>
</tbody>
</table>
**IMMERSION FRANÇAISE**

**FRANÇAIS LANGUE 8**  
**FFRAL08**

**Content/Activities:** The major goals of this course are increased competency in reading, listening, writing, and speaking skills. Reading from a variety of different sources and on any number of topics promotes discussion and enhances vocabulary. A multitude of listening activities “with a purpose” will develop concentration, uplift speech patterns and provide ample opportunities for discussion. The writing of various types of paragraphs and other creative works will reflect proper usage of grammar and spelling. The improvement of speaking skills is an ongoing process. Oral presentations, corrective speech drills, informal discussions and other activities are essential for increased proficiency in the French language. The elimination of a selection of “typical” mistakes is emphasized and reinforced throughout all activities. Instruction is based upon the Voyages 1 Program. Selections from Units 1 – 5 will be presented.

**SCIENCES HUMAINES 8**  
**FSCHF08**

This course parallels what is done in the regular English program but is taught entirely in French.

**SCIENCES 8**  
**FSCF-08**

This course parallels what is done in the regular English program but is taught entirely in French.

**LES ARTS 8**  
**FVAF-08**

This course comprises half a year of Drama and half a year of Art. It is taught entirely in French.

**FRANÇAIS LANGUE 9**  
**FFRAL09**

**Content:** In Français Langue 9, students will continue to work on reading, writing, listening and speaking skills. Literary works, both classic and contemporary, will be studied, helping students to develop an appreciation for reading and to promote increased proficiency in writing and in speaking. Emphasis is placed on the written messages, clearly and correctly enunciated, and on spontaneous oral self-expression. The elimination of various “typical” mistakes that began in Grade 8 continues to be emphasized.

**Activities:** Narrating a story, describing personal opinions, criticizing constructively works composed by their peers and sharing views are only some of the activities in Grade 9.

Instruction is based upon the Voyages 2 Program. Selections from Units 1 – 5 will be presented.

**SCIENCES HUMAINES 9**  
**FSCHF09**

This course parallels what is done in the regular English program but is taught entirely in French.

**SCIENCES 9**  
**FSCF-09**

This course parallels what is done in the regular English program but is taught entirely in French.

**ÉTUDES DE L’ENVIRONNEMENT 10**  
**YFRNR0A**

The main intent of this course is to introduce Grade 9 students to the study of basic ecological principles as they apply to the atmosphere, water and land. Emphasis will be placed on better understanding of our environment and the impact humans have on it. Current environmental problems will be analyzed and possible solutions will be considered.

**FRANÇAIS LANGUE 10**  
**FFRAL10**

This course is based on the Voyages 3 Textbook, the final stage of the Voyages Program. As with the two previous levels, the activities are centered on communicative, knowledge and language outcomes. Selections from Units 1 – 4 will be presented. In addition, this course has a challenging reading program as well as a program of corrective exercises specifically designed for French Immersion students. As a follow-through from grades 8 & 9, “typical” mistakes are rigorously corrected as they appear in all forms of expression.

**SCIENCES HUMAINES 10**  
**FSCH-10**

This course parallels what is done in the regular English program but is taught entirely in French.

**SCIENCES 10**  
**FSCF-10**

This course parallels what is done in the regular English program but is taught entirely in French.
PLANIFICATION 10 **FPLAN10**
Planning 10 is a year-long mandatory course with 4 key components: The Graduation Program; Education & Careers; Healthy living; Finance. Students in French Immersion should take this class in French to continue to build their fluency and acquire vocabulary necessary in Social Studies 11 and FRAL 11.

FRANÇAIS LANGUE 11 **FFRAL11**
This course seeks to improve the four basic skills of listening, speaking, reading and writing. Literary concepts, techniques of narration and the social background of literary pieces are studied in greater detail. Through films, magazines, and class discussions, pupils come to better understand the culture and customs of francophone countries and of Québec.
First term: Short stories, songs, Québec society.
Grammar: passive form, subjunctive, imperfect and passé composé, conditional, common errors.
Second term: Novels, poetry, France and other francophone countries.
Grammar: the comparative and superlative, pronouns.
Third term: French cinema.
Grammar: reflexive verbs, passé composé, review.

SCIENCES HUMAINES 11 **FSCH-11**
This course parallels what is done in the regular program but is taught entirely in French.

FRANÇAIS LANGUE 12 **FFRAL12**
The objectives are the same as the ones in grade 11. This program aims to improve and polish the four basic skills of listening, speaking, reading and writing. A constant effort is made not to isolate any one of these four skills. Literary concepts, techniques of narration, the social and philosophical background of literary texts are studied in greater detail. Through films, magazines, and discussion in class, students come to better understand the culture, thought and customs of francophone countries and of Québec in particular.

FRENCH IMMERSION PEER TUTORING 11 **YFIPS1A**
Peer tutoring is an excellent opportunity for any grade 11 or 12 French Immersion student with a positive attitude, good study skills and a desire to gain important leadership skills by helping other students achieve their academic goals across the curriculum.

Some of the best Peer Tutors are SDC students themselves, as they have a desire and willingness to help and are eager to share what they have learned in the junior grades and to model good study skills.
MATHEMATICS

The study of Mathematics requires regular study and practice, and builds on knowledge and skills from previous grades. It is expected that all students will do homework and assignments on a daily basis. Most of our mathematics courses have regular unit tests and a final exam. Grade 10 Mathematics courses have government final exams (20% of final grade). Students who successfully complete any grade 11 Mathematics course will meet British Columbia's minimum graduation requirements. However, there are a number of mathematics options and "pathways" that are available to students, which are explained below. Most students entering Kitsilano Secondary will begin with Mathematics 8.

MATHEMATICS 8  MMA--08
Pre-requisite: Mathematics 7
Leads to: Mathematics 9, Mathematics 9 Numeracy or Mathematics 9/10 Enriched.
This course builds on mathematics basics learned in elementary grades, including the operations of arithmetic, the use of integers, fractions and decimals. Topics include further work with Fractions, Rate, Ratio, Percent, Algebra, Exponents, Geometry, Two-Dimensional Measurement, Ordered Pairs, Graphing, and Basic Data Graphing/Analysis. This course will require regular homework and practice. There will be an emphasis on non-calculator work. Students will write a common final exam.

MATHEMATICS 9  MMA--09
Pre-requisite: Mathematics 8
Leads to: Apprenticeship & Workplace Mathematics 10 or Foundations & Pre-Calculus Mathematics 10.
This course builds on the mathematics basics learned in Mathematics 8. Topics include Square Roots, Surface Area, Exponents, Rational Numbers, Linear Relations and Equations, Inequalities, Polynomials, Similarity and Scale Factors, Circle Geometry, Probability and Statistics. This course will require regular homework and practice. Students will write a common final exam.

GRADE 10 TO 12 MATHEMATICS PATHWAYS

Beginning with grade 10 mathematics courses, students may enter different “pathways”. At the Grade 10 level, students choose between Apprenticeship & Workplace Mathematics 10 and Foundations & Pre-Calculus Mathematics 10. At the Grade 11 and 12 levels there are three pathway choices: Apprenticeship & Workplace, Foundations, and Pre-Calculus. The goals of all three pathways are to provide prerequisite attitudes, knowledge, skills and understanding for specific post-secondary programs or direct entry into the work force. All three pathways provide students with mathematical understanding and critical thinking skills. It is the choice of topics that varies among pathways. When choosing a pathway, students and parents should consider student interests and abilities, as well as education and career plans, so that the pathway chosen will be the one that both engages them in their studies and provides the best options for the future. A description of each pathway follows: Detailed descriptions can be found at http://www.bced.gov.bc.ca.
**Apprenticeship and Workplace Mathematics**
This pathway is designed to provide students with the mathematical understandings and critical-thinking skills identified for entry into the majority of trades and for direct entry into the workforce. Topics include Algebra, Geometry, Measurement, Number (Applications and Calculations), Statistics and Probability.

**Foundations of Mathematics**
This pathway is designed to provide students with the Mathematical understandings and critical-thinking skills identified for post-secondary studies in programs that do not require the study of theoretical calculus. Topics include Financial Mathematics, Geometry, Measurement, Number (Concepts, Applications and Calculations), Logical Reasoning, Relations and Functions, Statistics and Probability. The Foundations of Mathematics pathway is appropriate for students planning further study in the Social Sciences, Humanities, or Fine Arts fields.

**Pre-Calculus**
This pathway is designed to provide students with the Mathematical understandings and critical-thinking skills identified for entry into post-secondary programs that require the study of theoretical calculus. Topics include Algebra, Number (Concepts, Applications and Calculations), Measurement, Relations and Functions, Trigonometry, Permutations, Combinations and the Binomial Theorem. The Pre-Calculus pathway is appropriate for students considering post-secondary studies in science and/or Mathematics based programs, including engineering, commerce, and medicine.

**NOTES:**
1. Many other pathways than those shown are possible.
2. Minimum graduation requirements are met with any Grade 11 Mathematics course.
GRADE 10 MATHEMATICS COURSES
At the grade 10 level, there are two pathway options: Apprenticeship & Workplace Math 10 and Foundations & Pre-Calculus Math 10.

APPRNENTICESHIP & WORKPLACE MATHEMATICS 10 MAWM-10
Pre-requisite: Mathematics 9 or Math 9 Core
Leads to: Apprenticeship & Workplace Mathematics 11
This course is based on mathematics applied to the workplace and trades. Topics include SI and Imperial Units, Measurement of Perimeter, Area, and Surface Area, the Pythagorean Theorem, Geometry, Trigonometry and Finance. Students will write the Apprenticeship Workplace Math Provincial exam in this course.

FOUNDATIONS & PRE-CALCULUS MATHEMATICS 10 MFMP-10
Pre-requisite: Mathematics 9
Leads to: Foundations of Mathematics 11, Pre-Calculus Mathematics 11 or Mathematics 11 Enriched.
This course will build on the concepts learned in Mathematics 9. Topics include graphical and algebraic approaches to Linear Relations and Systems, Polynomials, Exponents/ Powers, Surface Area, Volume and Trigonometry. A scientific calculator will be required. This course will require regular homework and practice. Students will write the Provincial exam in this course.

GRADE 11 MATHEMATICS COURSES
As indicated above, there are three pathways are available to students starting at the grade 11 level. At the grade 10 level, students may have selected the Apprenticeship & Workplace pathway, or will have selected Foundations & Pre-Calculus Mathematics 10. The choice of appropriate mathematics pathway for grade 11, either Apprenticeship & Workplace, Foundations or Pre-Calculus, requires consideration of student ability, and future education and career plans.

APPRNENTICESHIP & WORKPLACE MATHEMATICS 11 MAWM-11
Pre-requisite: Apprenticeship & Workplace Mathematics 10 or Foundations & Pre-Calculus Mathematics 10
Leads to: Fulfills graduation requirements, also leads to Apprenticeship & Workplace Mathematics 12.
This course is based on Mathematics applied to the workplace and trades. Topics include SI and Imperial units, Surface Area, Volumes, Slope and Rate of Change, Trigonometry, Modeling and Drawing 2-D and 3-D Objects, Finance, and Creating/ Interpreting Graphs.

FOUNDATIONS OF MATHEMATICS 11 MFOM-11
Pre-requisite: Foundations & Pre-Calculus Mathematics 10
Leads to: Fulfills graduation requirements, also leads to Foundations of Mathematics 12.
This course covers Rates, Scale, Area, Surface Area and Volume of 2-D Shapes and 3-D Objects, Geometry, Trigonometry (Sine and Cosine Laws), Reasoning, Normal Distribution and Interpretation of Statistical Data, Systems of Linear Inequalities, Quadratic Functions and a Research Project. A scientific calculator will be required. This course will require regular homework and practice. Students will write a common final exam.

PRE-CALCULUS MATHEMATICS 11 MPREC11
Pre-requisite: Foundations & Pre-Calculus Mathematics 10
Leads to: Fulfills graduation requirements, also leads to Pre-Calculus Mathematics 12 and Calculus 12
Topics include Factoring, Systems of Linear Inequalities, Quadratic Functions, Quadratic Equations, Absolute Value, Radical and Rational Expressions/Equations, Reciprocal Functions, Arithmetic and Geometric Sequences/Series and Trigonometry (Standard Position, Specific Angles, Sine and Cosine Law). A scientific calculator will be required. This course will require homework and practice. Students will write a common final exam.

FOUNDATIONS OF MATHEMATICS 12 MFOM-12
Pre-requisite: Foundations of Mathematics 11 or department recommendation.
Topics include Mathematics of Finance, Logic and Reasoning, Probability, Combinatorics, Polynomial, Exponential, Logarithmic and Sinusoidal Functions, and a Research Project. A graphing calculator will be required. This course will require regular homework and practice. Students will write a common final exam.

PRE-CALCULUS MATHEMATICS 12 MPREC12
Pre-requisite: Pre-Calculus Mathematics 11 (75% is recommended).
Leads to: Calculus 12 or AP Calculus
Pre-Calculus Mathematics 12 is a challenging course, which can be taken concurrently with Calculus 12. As well, this course may be used as a pre-requisite for AP Calculus, although Math 12 Enriched is the recommended preparation. Pre-Calculus Mathematics 12 may be used to fulfill graduation requirements, and is required for admission to many post-secondary...
programs. Topics include Composition and Transformations of Functions, Graphs and Equations of Polynomial, Trigonometric, Logarithmic, Exponential, Radical and Rational Functions, Trigonometric Identities, and Combinatorics. This course will require regular homework and practice. Students will write a common final exam.

**CALCULUS COURSES**

Students considering study in areas requiring mathematics – commerce, science, engineering, medicine – are advised to prepare by taking high school calculus. The courses available to students at Kitsilano Secondary are Calculus 12 and Advanced Placement (AP) Calculus AB and BC. Calculus 12 has a provincial curriculum and may be taken concurrently with Pre-calculus 12. AP Calculus is faster-paced, having a curriculum dictated by the College Board, and has a comprehensive exam in early May. It is recommended that Pre-Calculus 12 be completed prior to attempting AP Calculus. Both Calculus 12 and AP Calculus can be used to obtain advanced placement, as explained below:

**CALCULUS 12**  **MCAL12**

Pre-requisite: 75% in Pre-Calculus Mathematics 11 (75% is recommended)

Calculus 12 is intended for students who are considering science or mathematics-related post-secondary programs of study. Students will have either completed Pre-Calculus Mathematics 12, or will be taking it concurrently with Calculus 12. Topics Include: Functions, Graphs and Limits; the Derivative (Concept and Interpretations, Computing Derivatives); Applications of Derivatives (Applied Problems, Derivatives and the Graph of the Function); Antidifferentiation (Recovering Functions from their Derivatives) and Applications of Antidifferentiation. Students completing Calculus 12 are eligible to write the UBC-SFU-UVic-UNBC Challenge Examination in June, which allows students to attain standing (course credit) in Calculus courses at those institutions. This course will require regular homework and practice.

**ADVANCED PLACEMENT CALCULUS (AB)**

**ACAL-12**

Pre-requisite: Pre-Calculus 12 Enriched (86% is recommended)

AP Calculus (AB) is comparable to a first-semester university course, and will be both challenging and demanding. Completion of this course is one of the primary goals of the Enriched Math Program (see below). Students prepare for and write the AP Calculus Exam, set by the College Board, in early May (and are responsible for part of the cost of the exam). If successful, students may obtain credit and/or advanced placement for first semester calculus courses at most North American colleges and universities. It is recommended that students complete Pre-Calculus Mathematics 12 before attempting this course. AP Calculus emphasizes a multi-representational approach, with concepts, results and problems being expressed graphically, numerically, analytically and verbally. Topics include:

I. **Functions, Graphs and Limits**: Analysis of Graphs, Limits of Functions (including One-sided Limits), Asymptotic and Unbounded Behavior, Continuity as a Property of Functions;

II. **Derivatives**: Concept of the Derivative, Derivative at a Point, Derivative as a Function, Second Derivatives, Applications of Derivatives, Computation of Derivatives;


A graphing calculator is required.

**ENRICHED MATHEMATICS PROGRAM**

The enriched mathematics program is recommended for motivated students who have strong mathematics skills and enjoy challenges and problem solving. STUDENTS IN ENRICHED COURSES WILL BE GRADED WITH THE SAME ASSESSMENTS AS IN THE ‘REGULAR PROGRAM’, AND WRITE THE SAME FINAL EXAMS. THE WORKLOAD IS NOT GREATER THAN IN REGULAR MATH COURSES, AND STUDENTS WILL OBTAIN SIMILAR GRADES TO THOSE THEY WOULD RECEIVE IN THE REGULAR PROGRAM.

**MATHEMATICS 8 ENRICHED**  **MMA--08ENR**

Pre-requisite: Placement Test: In order to be considered for admission to this course, students must write a placement test held in Spring 2015.

 Leads to: Mathematics 9 or Mathematics 9/10 Enriched.

This course is recommended for motivated students who have strong mathematics skills and enjoy challenges and problem-solving. Mathematics 8 enriched covers curricular topics in Mathematics 8, and will include extensions and additional topics, project work and mathematics contest preparation/participation. This course will require regular homework and practice. Students will write the Mathematics 8 final exam.
MATHEMATICS 9/10 ENRICHED MMA--09ENR
Pre-requisite: Mathematics 8 / Mathematics 8
Enriched, department recommendation (may require placement testing).
Leads to: Pre-Calculus Mathematics 11, Foundations of Mathematics 11 or Mathematics 11 Enriched.
This course will both enrich and accelerate students, completing the Mathematics 9 and Foundations & Pre-Calculus Mathematics 10 courses in one year. Enriched mathematics is recommended for motivated students who have strong mathematics skills and enjoy challenges and problem-solving. Mathematics 9/10 enriched covers the curricular topics in Mathematics 9 and Foundations & Pre-Calculus Mathematics 10, and will include extensions and additional topics, project work and mathematics contest preparation/participation. This course will require regular homework and practice. Students will write the Provincial Exam for Foundations & Pre-Calculus Mathematics 10.

MATHEMATICS 11 ENRICHED (Pre-Calculus) MPREC11ENR
Pre-requisite: Mathematics 9/10 Enriched or department recommendation.
Leads to: Pre-Calculus Mathematics 12, Mathematics 12 Enriched.
Enriched mathematics is recommended for motivated students who have strong mathematics skills and enjoy challenges and problem-solving. Mathematics 11 enriched covers the curricular topics in Pre-Calculus Mathematics 11, and will include extensions and additional topics, project work and mathematics contest preparation/participation. This course will require regular homework and practice. Students will write a common final exam.

PRE-CALCULUS MATHEMATICS 12 ENRICHED MPREC12ENR
Pre-requisite: Pre-Calculus Mathematics 11, Mathematics 11 Enriched (Pre-Calculus) and/or department recommendation.
Leads to: AP Calculus AB or BC
Enriched mathematics is recommended for motivated students who have strong mathematics skills and enjoy challenges and problem-solving. Mathematics 12 enriched covers the curricular topics in Pre-Calculus Mathematics 12 and will include extensions and additional topics, project work and mathematics contest preparation/participation. This course will require regular homework and practice. A graphing calculator is required. Students will write the Pre-Calculus 12 final exam.

ADVANCED PLACEMENT CALCULUS AB & BC
See above.
BRITISH COLUMBIA POST-SECONDARY MATHEMATICS ADMISSION REQUIREMENTS:
High school mathematics requirements vary by institution and program of study. Information in the table is intended as a starting point, providing information on minimum math prerequisites for programs at BC post-secondary institutions. The number of different programs at these institutions, and different types of credentials available in these programs make it impossible to list all cases. **It is important to research specific programs directly for accurate and current admission requirements.**

- Many colleges provide opportunities for math upgrading where students have not obtained the math prerequisite;
- Diploma, Certificate and Degree programs in the same field of study at the same institution may have different pre-requisites;
- Although mathematics courses may not be directly specified as required for admission, in many cases they can be used as approved courses. For example, if 3 approved Grade 12 courses are required, a Mathematics 12 course may be used.

<table>
<thead>
<tr>
<th>Institution</th>
<th>Arts</th>
<th>Science</th>
<th>Business</th>
<th>Trades</th>
<th>Nursing</th>
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<td>Foundations 11 or Pre-calculus 11</td>
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<td>Foundations 11 or</td>
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<td>No specific math</td>
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<td>or Pre-calculus 11</td>
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MODERN LANGUAGES

GENERAL INFORMATION
Students develop strategies and skills for listening, speaking, reading and writing in the target languages by participating in a variety of activities. Video, audio CDs and music enhance class work. Interesting cultural details are introduced, while language proficiency and enjoyment are emphasized. A Spanish/English or French/English dictionary for home and school use is necessary.

FRENCH 8  MFR--08
No previous knowledge of French required.
Leads to: French 9
Learn to understand, speak, read and write in French! Develop your communication skills through games, songs, conversations, dances, skits, plays and other activities. This is a fun, communicative, interactive course based on the AIM (Accelerated, Integrated Method) There is a final exam in this course.
Text: Histoires en Action DVD for home use.
A French/English Dictionary is recommended.

FRENCH 9  MFR--09
Prerequisite: French 8 or equivalent. Student may be recommended.
Leads to: French 10
Expand your knowledge of French while performing songs, raps and plays. The AIM (Accelerated, Integrated Method) is a fast-paced, gesture-based, lively course, in which only French is spoken in class. More emphasis is placed on reading and writing skills, so that you will be able to both speak and write about topics of interest. Evaluation procedures cover listening, speaking, reading and writing skills, and are ongoing. There is a final exam in this course.
Text: Jeunesse en Action DVD for home study.
A French/English Dictionary is recommended.

FRENCH 10  MFR--10
Prerequisite: French 9 or equivalent. Student may be recommended.
Leads to: French 11
In Grade 10, students consolidate their knowledge of basic grammar. They will also learn new vocabulary by reading stories and acting out real-life situations. The goal is to reach an overall basic knowledge of French in listening, speaking and writing.
Students explore and discuss French culture around the world with a greater emphasis on correct written French. There is a final exam in this course.
Text: AIM DVD for home use (pending).
ÇA MARCHE 3 with matching carnet ($12)
A French/English Dictionary and a BESCHERELLE verb book are required.

FRENCH 11  MFR--11
Prerequisite: French 10 or equivalent. Student may be recommended.
Leads to: French 12
Expand your ability to read, listen to, write and speak about current events and topics that are of interest to teenagers. Increase your skill in discussing your own and others’ lifestyles, interests and activities with increase in adapting new verb tenses. The pace really picks up during this year and will require a considerable amount of study, practice and dedication. Classroom activities include: listening activities, vocabulary and structure drills, reading and discussion, preparation of individual and group presentations and correction and evaluation of written work. Evaluation procedures cover the four language acquisition skills. There are mid-year and final exams in this course.
Texts: EN Direct 1;   RENCONTRES
Supplies:  A printed French/English dictionary, a BESCHERELLE verb book and an En Direct I workbook are required.

FRENCH 12  MFR--12
Prerequisite: French 11 or equivalent. Student may be recommended.
By the end of this course, you will have sufficient vocabulary and language structures to express yourself orally and in writing on many topics of everyday living. Grammar skills are most important for this class
Texts: En DIRECT II
Evaluation: There will either be a final project or a final exam in this class.
Supplies: A French/English dictionary and a BESCHERELLE is mandatory.

SPANISH 9  MSP--09
Prerequisite: None
Leads to: Spanish 10
Description: BIENVENIDOS! Did you know that... Spanish is spoken by over 360 million people in the world? That it is
one of the 5 official languages of the UN? That it is the official language of 21 countries? This is an introductory course requiring no previous knowledge of the language. Emphasis is on vocabulary building, pronunciation, and developing interpersonal communication skills. AIM (Accelerated, Integrated Method) methodology is incorporated into the course. Through a variety of activities the learner will gain an appreciation of Spanish culture, music and literature.

Textbook: DIME ALGO (Units 1, 2 & 3)
Workbook

SPANISH 10 MSP–10
Prerequisite: Spanish 9
Leads to: Spanish 11
Vamos a continuar! In this course, students will further their written and oral communication skills. We’ll use a variety of resources such as Latin newspapers, films and songs.
Textbook: DIME MAS (Units 4, 5 & 6), DIME MAS Workbook
Spanish/English Dictionary.

BEGINNERS SPANISH 11 MBSP–11
This fast-paced course covers the equivalent of Spanish 9 and Spanish 10 in one year and leads to regular Spanish 11. This course is designed for grade 10, 11 and 12 students who need a language credit. French Immersion students who are beginning to learn Spanish are encouraged to take this course rather than Spanish 9, because they are already familiar with a Latin-based language.
Textbook: DIME UNO (Units 1-6)
Spanish/English Dictionary

SPANISH 11 MSP–11
Prerequisite: Spanish 10 or Instructor’s permission.
Leads to: SP12
You will be able to communicate, both orally and in written form, in everyday situations of increasing complexity. You will also acquire an understanding and appreciation of the culture, customs, geography and history of the Spanish-speaking world by using authentic documents.
Textbook: DIME UNO
Spanish/English Dictionary

SPANISH 12 MSP–12
Prerequisite: Spanish 11 or Instructor’s permission.
This course is a continuation of Spanish 11 with an increasing focus on preparing for exams.

Evaluation: Same as Spanish 11
SCIENCE

SCIENCE 8 MSC—08
Leads to: Science 9
This first science course introduces students to science, the scientific method and their applications. The specific science areas that are emphasized at the grade 8 level include: cells and systems, kinetic molecular theory, energy, and plate tectonics. This course is taught in a laboratory setting and includes lectures, demonstrations, laboratory exercises and experiments. All students are expected to complete a science fair project or design and construct a science challenge project.
Textbook: TBA

SCIENCE 9 MSC—09
Prerequisite: Science 8
Leads to: Science 10
This second science course builds on the concepts learned in Science 8 and continues to emphasize the importance of the scientific method. The specific science areas that are emphasized at the grade 9 level include reproduction, atoms, elements and compounds, characteristics of electricity and ecology. This course is taught in a laboratory setting and includes lectures, demonstrations, laboratory exercises and experiments. All students are expected to complete a science fair project or design and construct a science challenge project.
Textbook: TBA

SCIENCE 10 MSC—10
Prerequisite: Science 9
Leads to: Any grade 11 science course
This science course is the last of the junior science courses. It continues to reinforce the importance of the scientific method. Topics include sustainability of ecosystems, chemical reactions and radioactivity, motion, energy transfer in natural systems and plate tectonics. This course is taught in a laboratory setting and includes lectures, demonstrations, laboratory exercises and experiments.
Textbook: BC Science 10 (McGraw Hill)

BIOLOGY 11 MBI—11
Prerequisite: Science 10
Leads to: Biology 12
Biology 11 is an introduction to general biology. It builds on the basics of cell structure and reproduction as covered in Science 10. Biology 11 has a unifying theme of evolution in which evidence, mechanisms and possible origins of life are presented. General topics covered include evolution and classification, microbiology, zoology and botany. Biology 11 and 12 are highly recommended for those embarking on a Life Science-oriented program at university. Biology 11 is a laboratory-based course and includes laboratory exercises, experiments, dissections and demonstrations.
Textbook: Biology (Miller-Levine)

CHEMISTRY 11 MCH—11
Prerequisite: Science 10 (Recommendation: C+ or better, and Math 11 should be taken concurrently)
Leads to: Chemistry 12
Chemistry 11 is an introduction to general chemistry. It reviews and builds on the basics presented in the junior science courses. The main goal of this course is to provide students with the knowledge to appreciate and understand scientific concepts that relate to chemistry with respect to everyday encounters with matter. The major topics covered include measuring, matter, the mole, chemical reactions, atomic theory, solution chemistry and organic chemistry. Chemistry 11 is a laboratory based course and includes laboratory exercises, experiments and demonstrations.
Textbook: BC Chemistry 11 (Edvantage)
Note: Any student planning on majoring in science at university should take both Chemistry 11 and Chemistry 12.

EARTH SCIENCE 11 MESC—11
Prerequisite: Science 10
The main goal of Earth Science 11 is to investigate the principles of many fields of Earth Science in order to understand the story of the Earth and its environment. The major topics are Geology (the study of processes and materials that make up the Earth’s crust with an emphasis on plate tectonic theory), the study of the Earth’s history, Oceanography, Astronomy, Atmospheric Science and Earth Resources. The course includes field trips (which will be organized to emphasize the study of local geology), extensive reading, lectures, and laboratory activities.

PHYSICS 11 MPH—11
Prerequisite: Science 10 (Recommendation: C+ or better, and Math 11 should be taken concurrently)
Leads to: Physics 12
Physics 11 is an introductory course that reviews and builds on the basics presented in the junior science courses. The main goal of this course is to generate interest in the subject and provide the background needed
for future studies. The major topics covered include the study of motion, forces, momentum and energy. Other topics include special relativity, wave motion, light, sound and nuclear physics. Physics 11 is a laboratory based course and includes laboratory exercises, experiments and demonstrations. Note: Any student planning on majoring in science at university should take both Physics 11 and 12.

Textbook: Fundamentals of Physics

PHYSICS 11 ENRICHED MPH-11ENR
Prerequisite: Science 10 (Recommendation: A in Science 10 and Math 10)
Leads to: Physics 12 (Enriched)
Covers the same material as Physics 11 as well as enrichment topics meant to prepare students for AP Physics I and II exams written in the grade 12 year.
Textbook: Fundamentals of Physics

BIOLOGY 12 MBI-12
Prerequisite: Biology 11 (Chemistry 11 strongly recommended)
This course focuses on the study of the cell, transport across cell membranes, chemical reactions in living organisms and physiological processes in humans e.g. digestion, circulation, excretion and respiration. Biology 12 is a laboratory based science and includes lab exercises, experiments and dissections. It is highly recommended for students intending to pursue a career in the Life Sciences take Biology 12.
Textbook: Biology (Audesirk)

CHEMISTRY 12 MCH-12
Prerequisite: Chemistry 11 (Recommendation: Math 12 should be taken concurrently)
This course is a detailed study of chemical concepts which will enable students to gain a more useful perspective of chemistry and its relationship to everyday processes in the home environment and industry. The major topics are: Rates of Chemical Reactions; Chemical Equilibrium; Acid-base Systems and Ionic Equilibria; Oxidation Reduction Reactions. Chemistry 12 includes lectures, demonstrations, experiments and problem solving sessions.
Textbook: BC Chemistry 12 (Edvantage)

GEOLOGY 12 MGEOL12
Prerequisite: Earth Science 11 (Chemistry 11 recommended)
The Geology 12 course concentrates on Geological Science and Earth History. Field and laboratory work are an integral part of this course. The main topics covered are: Materials (rocks and resources, seismology and Earth’s internal structure); Surficial Processes (weathering, erosion and glaciation); and Planetology (planets of our solar system). Textbook: Earth, An Introduction to Physical Geology

PHYSICS 12 MPH-12
Prerequisite: Physics 11 (Recommendation: Math 12 should be taken concurrently)
This course is a detailed study of physics concepts which will enable students to gain an appreciation for physics and to provide the necessary background required to continue on in science or engineering. Major topics are: Vector Kinematics, Vector Dynamics, Energy & Vector Momentum, Equilibrium, Circular Motion & Gravitation, Electrostatics, Circuitry, Electromagnetism. Textbook: College Physics

PHYSICS 12 ENRICHED MPH-12ENR
Prerequisite: A final grade of ‘A’ in PH11 and teacher’s recommendation. Math 12 and AP Calculus are also recommended as co-requisites. This course is equivalent to a first-year university physics course. Students may write the Advanced Placement Physics I and II exams. Students will receive credit for Physics 12. Most universities allow students to claim credit for first year Physics upon successful completion of the AP Physics exam. Major topics are: Vector Kinematics, Vector Dynamics, Energy & Vector Momentum, Equilibrium, Circular Motion & Gravitation, Electrostatics, Circuitry, Electromagnetism, Thermodynamics, Atomic Physics, Waves & Optics. Textbook: College Physics
Prerequisite: Science 10. Physics 11 strongly recommended. Engineering Physics 12 is designed to teach students new skills in solving complex problems that relate to physics and STEM (science technology engineering math) topics. Class activities are based on project based learning where students will be asked to design and build solutions to problems. Topics and activities include robotics, microcontrollers, data analysis, computer modeling, heat transfer, bridge design and 3D modeling. These topics will encompass different aspects of mechanical, electrical, computer and civil engineering. We are flexible in what projects we undertake, and it’s possible to branch into other areas such as environmental engineering. This course is strongly encouraged for students that are interested in pursuing sciences or engineering, or would simply like to challenge themselves.
SOCIAL STUDIES

SOCIAL STUDIES 8 MSS--08
In Social Studies 8 you will continue to develop your understanding of civilizations by examining the causes for the decline of civilizations and the factors which develop new civilizations. By looking at the Medieval world, you will examine the roots of our current societies, and their geographic setting. By the end of the year you will have developed a good general knowledge of current events, the historical and cultural foundations of the world’s major civilizations and have enlarged on your thinking skills.
Textbook: Pathways

SOCIAL STUDIES 9 MSS--09
In Social Studies 9 you will study the rise of modern industrial society. You will learn about Europe’s rapid technological advances and the spread of its culture to the New World. You will look at the geography of this new continent. You will study the competition between the Europeans to acquire and control the land which we now call Canada and the impact that this produced on the people of the First Nations. The social studies skills which you acquired in Social Studies 8 will continue to develop and increase in sophistication.
Textbook: Pathways

SOCIAL STUDIES 10 MSS--10
Prerequisite: Social Studies 9
In Social Studies 10 you will examine the struggle in British North America to produce a responsible government to meet the needs of the people living in a very large and undeveloped land mass. You will explore the events and causes which produced Confederation and established present day Canadian boundaries. You will look at Canada’s economy and British Columbia’s industries. You will learn about B.C.’s neighbors around the Pacific Rim.
Textbooks: Horizons and Canada Moves West

SOCIAL STUDIES 11 MSS--11
Prerequisite: Social Studies 10
Leads to: Comparative Civilization 12, Geography 12, Advanced Placement History 12, History 12
You will learn how Canada’s government is organized to enable you to participate in it. You will also look at the Global setting and the pressing issues and problems facing the world today. By the end of the course you will have the knowledge and skills to enable you to become a responsible citizen of Canada and the world. Provincial exam worth 20% of course mark.
Textbook: Counterpoints

HISTORY 12 MHI--12
Prerequisite: Social Studies 10. A final standing of B in both Social Studies 10 and English 10 is strongly recommended.
COMPARATIVE CIVILIZATIONS 12  
MCCN-12BLEND
Prerequisite: Social Studies 11 or Civics 11
This course will be taught as a blended course.
In this course you will explore different civilizations from the beginning of time to the mid 1400’s. We start with an exploration of prehistory and the evolutionary steps man has taken to civilization. This course examines the development of Mesopotamia, China, Egypt, Greece, Rome, Mayans, Aztecs, Polynesians, and Europe. Grades are derived through written assignments, presentations, Power Point presentations, historical movie analysis and short writing assignments. At the end of this course you will understand what forces shaped and drove different Civilizations. This knowledge will enable you to understand most of the current world’s political, cultural, religious, economic and military confrontations and conflicts.

PHILOSOPHY 12  YPHR-2A
This course is designed to introduce students to the basic principles of ethics, knowledge, logic, metaphysics (is there a God?), justice and freedom (are we ever really free?). The class is for philosophically-inclined grade 11 and 12 students who are prepared to inquire, analyze and critically evaluate. At the same time we study the philosophy of the great thinkers from Socrates to Sartre, we also examine our own beliefs and their origin(s). This is the perfect course for those students who “wonder why”.

GEOGRAPHY 12  MGEO-12BLEND
Prerequisite: Social Studies 11 or Civics 11
This course will be taught as a blended course.
Geography 12 is for students who want to examine human beings’ relationship with Earth. You will look at the physical and natural world, and the way that people have used and mismanaged resources over time. You will also study natural disasters such as tsunamis, earthquakes, ice storms, flooding, and hurricanes. You will examine the human role in such issues as global climate change, ozone depletion, the availability of fresh water, waste management, and the mountain pine beetle infestation that is decimating B.C.’s forests. You will also build on your mapping skills in the computer lab using geographic information systems (GIS), go out into the field using portable global positioning system (GPS) units, and study remote sensing images from orbiting satellites. Opportunities in field studies include climbing through the Horne Lake Caves, visiting the PacificGeoscience Center on Vancouver Island to monitor earthquake and tsunami activity, and hiking up to Garibaldi Lake.
Textbook: Earth Matters

HUMAN GEOGRAPHY 11 / FOODS 11 Cohort
This double-block of Human Geography 11 and Foods 11 focuses on people and places around the world and the rich cultural cuisine of different regions. The goal is to better understand of the characteristics and challenges of people from all parts of the globe while gaining an appreciation of different cultures through food.

HUMAN GEOGRAPHY 11 (Social Studies 11 Credit*)
Human Geography deals with demography: the study of populations. You will examine how people interact with natural and built environments. You will investigate how people from different cultures adapt and respond to their physical and natural environment. You will also develop a skill set in geo-technologies, such as GIS, GPS and satellite imagery to conduct inquiries into global and regional issues. Examples: the migrant crisis, worker exploitation in developing countries, spanning the ‘digital divide’, and the impact of natural disasters on whole populations.
FOODS 11: Geography and Culture

You will cook (and eat) dishes that have been influenced by cultural groups and environmental factors globally throughout both past and present times. You will first develop a base set of culinary skills - all current skill levels welcome! Connecting with the course content in Human Geography 11, you will investigate culinary influences, find and adapt recipes, and create tasty meals, snacks, and treats. Content in this course is flexible as it provides student choice and opportunities to explore and learn independently in small groups. Supplemental Course Fee may apply.

Flexibility:

One course will follow the other in a morning or afternoon and will be comprised of the same students. This provides the flexibility to have double-blocks or Foods 11 or Human Geography 11 where more time would be beneficial. It also allows more opportunities for field trips, guest speakers and extended project work.

Note: Human Geography 11 is primarily intended for students who have already covered 20th Century Canadian history in their 2016-17 Social Studies 10 courses (the “new curriculum”)

*Human Geography 11 is a provincial “samplel” course for 2017-18. You will receive 2 credits of Social Studies 11 on your transcript upon completing this course.
Geography 12 investigates the question, “Why is where, and so what?” The course focuses on the relationship between human beings and Planet Earth using an issues-based, investigative approach. It is organized around “Big Questions”: What are the predicted consequences of Climate Change to British Columbia? Are Vancouverites really prepared for a large earthquake? In what ways can Kitsilano students lower their carbon footprint?

What does “Blended” mean?
A blended class brings the best parts of a traditional face-to-face classroom work together with online learning. The course takes advantage of the flexible scheduling of your block. For some classes you will be required to be in class, and others you can work elsewhere in the building or from home. For example, you may meet in your classroom for the first class of each week and communicate with the teacher and classmates on course activities for the remainder of the week outside of the classroom. Typically, the proportion of time you are required to be in the class during your Geography 12 block will change throughout the year, depending on the activity. Your teacher will always be available during your block when classroom sessions are not scheduled.

What should I expect?
The course focuses on open-ended problems where students work individually and in teams to address problems, situations, dilemmas and other issues that are topical. You will be expected to think critically, approach problems and challenges creatively and defend your solutions to others.

What characteristics should I have to take this course?
A willingness to:
- try new approaches to learning
- collaborate with others, including giving and taking feedback respectfully
- work well in a team
- tolerate ambiguity and uncertainty
- apply your creativity to problems, challenges and issues
- communicate with others in person and online
- welcome mistakes and learn from them

What if I'm not “techie”?
Technology is integrated throughout the course. You will learn how to use industry standard Geographic Information Systems (GIS), ArcGIS Online by ESRI as well as productivity, visualization and presentation software, Apps and web tools as the course progresses. The class will use a secured learning management system to coordinate course activities, such as discussions, links to resources and online group space. There are no prerequisite computer skills, just a willingness to learn new technologies and be accepting of the time it takes to learn different skill-sets.

How am I graded?
The course does not follow a traditional pattern of quizzes and tests. Assessment is ongoing and includes:
- an e-portfolio of individual and team work
- individual and peer assessment
- presentations of solutions
- research-based activities

How does the time commitment compare with other grade 12 classes?
You should expect to spend the same amount of time in this course as any full-time face-to-face senior course.

What technology should I have access to outside of class?
You should have a computer and a reliable Internet connection. Mobile devices are also recommended but not necessary.
This course is a part of the 3-way rotation to be taken consecutively with Technical Studies and Home Economics. A major component of the course will be the learning and application of Keyboarding skills. Students will also work in groups on a fun simulation called “Kits Mall” where they develop a business plan and design a scale model of their own retail store.

**Entrepreneurship and Marketing 9 MadeM09**

In this course, students will learn skills in entrepreneurship and marketing, and discover the power of learning by doing. Students enjoy this course because they learn what it’s like to take their creative ideas for new products and turn them into a business! While entrepreneurship and marketing are the focus of this course, other areas of study will include the following: Economics, Business ethics, International business, Management, Invention and Innovation, and a large section on Finance (budgeting, banking, saving, investing, and credit). In addition, a unit will provide an introduction to computer programming in Java.

**Business Education 10 MBE--10**

This course introduces students to the world of business. Students will develop an understanding of the functions of business, including economics, finance, entrepreneurship, accounting, marketing, information technology, human resources, and production, and of the importance of ethics and social responsibility. This course builds a foundation for further studies in business and helps students develop the business knowledge and skills they will need in their everyday lives.

The course will be taught in the Business Ed. Computer lab (room 214) and has been designed to provide students with the skills to master Microsoft Office (Word, Excel, Publisher and Powerpoint) which could be utilized in future careers, university and/or personal use.

**Economics 12 MEC--12**

This course is a great introduction to micro and macroeconomics. Students learn there is a benefit and cost to every decision! Moreover, it involves the study of how individuals, companies, and societies make decisions to satisfy their unlimited needs and wants with the limited resources on our planet. Students will also be involved with what is happening in the world through reading current events, participating in a stock market challenge, and debating business issues. An annual field trip to the Boeing Manufacturing Plant is a highlight!

**Accounting 11 MAC--11**

This course is designed to give students an introduction to the accounting concepts for small and medium sized businesses. Students will perform the bookkeeping functions that involve analysis of business transactions, journalizing and posting, performing and analyzing financial statements (balance sheets, income statements). Guest speakers from local banks, credit unions, and tax agencies will occur in the year.

**Financial Accounting 12 MFA--12**

Accounting 11 is strongly recommended as a prequisite. In this course you will be given the practical and theoretical experience planned around a work-study or internship in performing the function of “accountant” for the Kitsilano School Store. You will be problem-solving, applying creative thought to your analysis of issues and problems and communicating in an open and consultative manner with managers/Teachers. This course is designed to enhance your self-sufficiency and responsibility and requires you to think on your feet, be dependable and reliable. The course will develop a general understanding of accounting for those wishing to further their studies at a Community College or University. Instruction will include computer software Excel and Simply Accounting.

**Marketing and Promotion 11 MMK--11**

Students in this course will develop a strong foundation in marketing concepts. From identifying target market to developing a promotional plan with the use of the AIDA
model, students will learn the skills to persuade consumers to buy a service or product. Additionally, students will apply their learning with working at the Haidaway (Kits school store). An annual field trip to Marketing Day at Playland is a highlight.

**MARKETING 12 MMK-12**
This course gives students the opportunity to further develop previous business skills and specifically marketing concepts. Students participate in the act of selling in this course through yearbook advertising, developing a marketing plan for a product, and working at the Haidaway. Additionally, some students will have the opportunity to take on an executive position for the Haidaway (CEO, CFO, Director HR, Director Marketing) and will be selected through an interview process. **Great retail skills and resume building!**
FINE & PERFORMING ARTS: ART, DRAMA, FILM, GRAPHIC ARTS & MUSIC

FINE ART 8: DRAMA/ART

The grade 8 program provides students with a foundation in the fine and performing arts for work in later grades. Students study Art and Drama for half a year each. See specific sections for details on the components of this course.

ART 8 MVA--08
Learn the basics of visual art and art-making techniques. You will use a wide range of materials and strategies. Emphasis is placed on hands-on activities and projects. This is a half-year course in rotation with Drama. (Supplemental fee may apply)

VISUAL ART 9 MVA--09
This is a fun, hands-on class where you will explore and create artworks using a variety of materials, techniques and styles including drawing, painting, printmaking collage, and sculpture projects. You will learn how techniques, styles, symbols and the elements and principles of design can be used to create mood and convey ideas. You will develop skills in a supportive atmosphere that encourages personally meaningful expression. (Supplemental fee may apply)

VISUAL ART 10 MVAG--10
This is a fun, active, hands-on class where you will develop your drawing, painting and related art skills. Get creative and develop your personal ideas. Learn art making techniques and strategies. You will work on a variety of in-class projects using a wide range of materials. (Supplemental fee may apply)

ART FOUNDATIONS 11/12 MAF--11 / MAF--12
This course offers the opportunity to expand the way you make and think about art. Projects change every year but always offer the opportunity to make art that is personally meaningful using mixed media. That means combining painting and drawing with other techniques such as photo transfer, collage, textiles, plaster, printmaking, etc. Emphasis is placed on hands-on activities where you will make both 2-d and 3-d projects. This course is a great compliment to Drawing and Painting 11/12. Whether you are looking to expand your portfolio or are just looking for a fun and interesting way to develop your creativity, this is the course for you.

DRAWING AND PAINTING 11/12
MSADP11 / MSADP12
Can’t get enough art? Create drawings and painting using a variety of materials and techniques. Develop your drawing and painting skills. Learn art making strategies. This is a great chance to explore ideas and experiment and is a great compliment to Art Foundations 11/12. Emphasis is placed on hands-on activities and projects which will allow you to build a portfolio of work. (Supplemental fee my apply)

CERAMICS & SCULPTURE 9
Grade 9 MVA--09CR1
This is an active class where you will learn the basics of ceramics. In the studio you will experiment with food safe glazes, slips and underglazes to decorate your works. Wheel throwing techniques will also be introduced. You will make a wide variety of functional and sculptural pieces using ideas inspired by our imagination, inquiry and purposeful play. Using ceramic tools, materials and processes, you will make unique clay pieces that reflect your personal ideas and creativity. No prior experience necessary. (Supplemental fee may apply).

Grade 10 MVAC--10
This is a fun class where you will learn new skills with clay and have a chance to make unique gifts for your friends, family and yourself! Create works in clay using hand building and basic wheel throwing techniques. You will make functional and sculptural pieces such as bowls, plates, cups, candle holders, and more. Learn about variety of techniques to glaze your finished pieced, making them durable and food safe. Make a mug and enjoy a cup of hot chocolate in your hand-made work of art! No prior experience necessary. Those with experience will learn more advanced techniques.

CERAMICS and SCULPTURE 11 and 12
Grade 11 MSACS11
Grade 12 MSACS12
Come and learn new skills with clay and make a variety of works using hand building and wheel throwing techniques. Make functional and sculptural pieces such as boxes, lanterns, mugs and gift items. No prior experience is necessary. If you have taken Ceramics and Sculpture in previous years, you will be able to build on
your foundation skills and learn about altering forms, combining techniques, alternative decorating techniques and more! Emphasis is placed on designing, technique/skill building, hands-on activities and in-class projects. Clay and gazes used are all food safe.
providing extensive experience in script analysis, scene work, and film in the major school productions. Theatre Production 10 involves working with stage design, directing, costumes, hair/make-up as well as filming and editing the major school productions. Students will also be qualified to work the technical equipment required for assemblies and other school events outside of the Kitsilano Theatre program.

THEATRE PERFORMANCE 12: ACTING MTPA-12
Further to the work done in Acting 11, along with public performances, script study and analysis, there are the new concepts of "period" and "style" of acting. Choices include Greek, Commedia, Elizabethan, 19th Century, Contemporary and Theatre of the Absurd. Also included are play attendance and review, audition work, and TV and Film techniques. Festival, Improv Club, Musical or Community Production involvement is encouraged.

BA THEATRE COMPANY SENIOR 12 OFF TIMETABLE YVPA-2M
Theatre Company is an off-timetable class dedicated to the ACTORS which offers a period of focusing entirely on production of Kitsilano Theatre’s major productions. Students will take part in Van Fest, musicals and the major school productions. A fascination for performance, a willingness to give 100% and flexible schedule are required.

THEATRE PRODUCTION 12: TECHNICAL OFF TIMETABLE MTPRT12
Theatre Production 12 is an off-timetable class dedicated to the DIRECTOR’s, STAGE and FILM CREW which focus entirely on the production of Kitsilano Theatre’s major productions. Students will control the junior production as well as create and design the sets for the senior productions, including the film and stage performances.

STAGECRAFT / PRODUCTION 11, 12 MTPR-11 / MTPRT12
These self-motivated students will learn to use the lighting, sound, and A/V systems to support the various productions of the Theatre Department, including main stage/studio plays, musicals, rentals and school events. In addition, students will generate a script book, drawings for set designs, lighting plots, and soundscapes.
DIRECTING & SCRIPTWRITING 11 MTPDS11

This is a course in developing writing and directing skills necessary for both stage and screen. Directing practice will be done in a workshop atmosphere with students in the Acting or Film programs. Writing practice will be done individually. Topics include observation of professional directing in live theatre or film and writing or directing of scenes, adaptations and one act plays. A study of directing and production skills including stage management, casting, and design will be done.
FILM & TELEVISION

MEDIA ARTS 9 (Video Production)

MVA—09MA1

Students will plan, shoot and edit films in this project-based class. Videos created at school and off-campus will develop the technical and symbolic elements used by professionals. Various forms of storytelling will include movies, documentaries, and music videos.

VIDEO PRODUCTION 10 YCCT-0B

FULL YEAR Course
Recommendation: Some knowledge of video camera and/or computer editing is helpful.

This course will focus on basic video, audio and lighting techniques, basic storyboard drawing, and editing. In studio, on location, and off-campus projects include COMIC movies, CHASE videos, and PRODUCER picks.

TV/FILM PRODUCTION 11 YCCT-1B

FULL YEAR Course

Recommendation: Students should have some experience in Video Production.
Camera operation, audio and lighting techniques, storyboard and script treatments, computer editing, hosting and interviewing, directing and producing. Projects include: Music Videos, DocuVideos and Producer Pick Films.

FILM STUDIES 11/12 YVPA-1F / YVPA-2F

FULL YEAR Course
Open to students in Grades 11, 12

Recommendation: Interest in watching movies for appreciation of their art and craft and style. 10 to 15 important films, from various styles (Comedy, Drama, Horror, Suspense, Action, Adventure) will be enjoyed. Class discussions will focus on Cinematography, Soundtrack, Editing, Directing, Acting, Screenplay, Design. Written and Oral assignments are done to appreciate a wide range of films.

TV/Film PRODUCTION 12 YVPA-2F

FULL YEAR Course
Prerequisite: TV/FILM Production 11

This course provides the independent-minded student, trained in Video and T.V. Production skills, with a wide open opportunity to create, produce and edit their own projects, including Theme Montages, Commercials, Public Service Announcements, Genre Flicks. In addition to the Big Screen matinee events, students will be encouraged to enter contests, festivals, and help arrange field trips to TV or Film sets.

“Best of Class” films will be shown on the JUMBO Screen in Movie Matinees.
GRAPHICS & ANIMATION
http://Kitsilanographics.ca

GRAPHIC ARTS 9-12
Graphic Arts classes are project based and you work with a variety of materials, techniques and software. Courses are structured in units and once you have learned the basic skills, you can choose between designing T-shirts and buttons, 3D printing, publishing a magazine, animation, or developing items for advertising and social media. Graphic design is all around us, and in almost everything we view or use to interact. The Kits Graphic Design program offers so many choices and options, it will take more than one course to explore them all, and it’s never too late to start, regardless of your level of skill or previous experience.

COURSE:
GRAPHIC ARTS 9 – MVA–GR1
In this course, you will explore the materials, tools, techniques and principles that are used to create the images and media that we are surrounded by. This project based course will allow you to create a variety of projects using both traditional techniques and computer software through exploration and purposeful play. Adapt your new skills to create things such as T-Shirt designs, Posters, Buttons, 3D printed designs and animation. By taking creative risk you will create meaningful artistic and personal pieces of design. (Supplemental fee may apply)

GRAPHIC ARTS 10 – YVPA-0D
In this course, you will design with purpose. By using a variety of materials, tools, techniques and principles, you will identify potential users of your designs and match your ideas to the criteria and constraints of your design. You will be using industry standard software (Adobe CC, AutoCAD, etc.) and look to professional sources for inspiration to develop a plan for your designs and will learn how to present your ideas to a variety of audiences.
(Supplemental fee may apply)

GRAPHICS ARTS 11 – YVPG-1G
You will create graphic works individually and in groups using imagination, observation and inquiry. From your choice of technology and techniques you will create works with an audience in mind. Learn how Graphic designs are a reflection of the society they originate from and how they can communicate complex ideas through the use of symbols and metaphors. Choose from a great variety of options to learn skills you can use to present learning from other subject areas or individual interests. (Supplemental fee may apply)

GRAPHICS ARTS 12 – YVPA-2D
In this project based course you will design by anticipating the impact your design will have on the intended audience. By honing your skills in a variety of technologies and techniques you can develop your own personal voice and create designs that show an understanding of personal, social, environmental and historical context. Develop your own design portfolio and explore the career opportunities of graphic artists and people in related careers. (Supplemental fee may apply)

DESIGN 11 & 12 –
For those serious about Graphic Design, 3D printing or silk screening. These courses are for those who want to take more than one Graphic Design Course at their Grade level. Content of these courses will be based on your interest, previous experience and individual skill level. There is a strong expectation that projects created in these courses are ‘real world’ and could be marketed and sold. Individual learning plans will be created for each student to ensure portfolio worthy assignments can be taken home. (Supplemental fee may apply)

ANIMATION 11 & 12 – Learn real animation skills
(Open to students Grade 10 and up) YCCT-1A, YCCT-2A
For those who want to spend the whole year working on Animation and learn real animation skills. In the first two terms, you will use a variety of software and techniques in both individual and group projects to learn the principles of animation. By analyzing existing work, and through planning and problem solving you will develop your skills and critical awareness. In term three you will create a ‘feature’ animation. (Supplemental fee may apply)
PHOTOGRAPHY

PHOTOGRAPHY 9 – 12
http://Kitsilanographics.ca

Photo classes are project based and students work at their own pace to complete individual and group projects. The focus is on skills, tools and critical thinking. Photography is a fun course where beginners can learn the basic techniques and more advanced photographers can work on more complex challenges. Full of creativity and variety, you will never be bored, regardless of your skill level and how many years you take photography! Join at any grade level and be surprised by how much you will learn.

PHOTO 9 – MVA–PH1

Start by learning how traditional film photography and the Dark Room works, before using digital cameras to develop your photography skills. Through project-based, purposeful play, you will explore the tools and techniques of photography. Using Photoshop, you will develop skills that will allow you to improve the quality of your images and how you could use them in new contexts and for different audiences and purposes, such as your web identity, in advertising and promotion, or to express your thoughts, emotions and experiences. (Supplemental fee may apply).

PHOTO 10 – YVPA-0H

Work with both traditional film and digital photography to create a variety of images, both for yourself and to share with an audience. Learn to use the language of photography to evaluate how great photographs are taken and learn to take great photographs yourself. Develop your skills in Photoshop to communicate your ideas and express your mood or message through the images you create. (Supplemental fee may apply).

PHOTO 11 – YVPA-1P

Experiment with both traditional film and digital photography as well as Photoshop to create photographic images that express your ideas. Work individually and in groups to create images with a specific audience in mind. Explore the practice of professional photographers and develop an understanding of the power of an image and the social responsibility that comes with modifying images. (Supplemental fee may apply).

PHOTO 12 – YVPA-2N

Using a variety of Software, traditional techniques and Digital images, learn to develop your own design language. Create images that show an understanding of the history and tradition of photography, and that can be shared with an audience. Learn to use the language of photography to critically evaluate the quality of both your own and that of others, and learn to appreciate the role of the photographer in presenting social justice issues to an audience. (Supplemental fee may apply).

YEARBOOK

ANNUAL PRODUCTION 11 Grade 10’s welcome!

ANNUAL PRODUCTION 12 – YCCT-1C

Do you enjoy desktop publishing, photography, journalism or promoting the school culture and traditions? In this course you will be involved in every part of the process of creating and publishing the school Yearbook. Unlike any other course, what you create will be seen by thousands for years to come! No course fees, instead you get treats and meals when production targets are met.

ANNUAL DESIGN 12 – YCCT-2F

By application only. See Mr. Mehl

This is the course for yearbook editors, who decide the look and theme of the yearbook, are ultimately responsible for the finished product, and qualify for yearbook scholarships. Need to have some yearbook experience. Applications are available in room 149.
INDEPENDENT DIRECTED STUDIES
GERMANY March Break Trip / Exchange

The 2nd bi-annual Germany trip is now taking applications and accepting deposits to hold one of the 20 available spaces. (This year’s Japan trip had 34 people wanting to go)

Kits students will be travelling to Germany for two weeks during March Break of 2018. They will be hosted by a German family in Ingolstadt, home of Audi, about half way between Munich and Nuremberg. The same students will come to Vancouver in May of the same year and be hosted by participating Kits students. The cost of the exchange will be around $2800, including all transport and most meals.

We will travel to Berlin for a 4-5 Day stay, to see the history, culture and vibrancy of that city. Following this we will spend 10 days at our partner school, visiting various sites in and around Ingolstadt, including an Audi factory tour, and overnight trips to Munich and Nurnberg.

Focus of the trip will be fine-tuned to match the interests of participants, and knowledge of German in NOT a requirement. Participating students will also be able to earn course credit for this experience. There will be an information meeting in September, and a $400 deposits will hold your spot until then. For more details you can contact Mr. Mehl at rmehl@vsb.bc.ca
MUSIC

In music courses, students will be performing, creating and listening to music. Through these activities, students will learn about structure, meaning and the importance of music throughout history as well as in their lives today.

BEGINNER BAND 8 / 9 / 10 / 11
MMU–08, 09CH1 / MMCB-10–1
NO EXPERIENCE NECESSARY

Have you ever wanted to learn to play a NEW musical instrument? This course teaches you how to play in a musical ensemble and have fun!

Students will select an instrument, with teacher guidance, and gain skills that will transfer across all types of ensembles. Learn how to read and write music, play by ear, and develop foundational listening and team-work skills. Come and join the band!

CONCERT BAND 8 / 9 / 10 / 11 / 12
MMCB-10B
Calling all instrumentalists with more than one year of ensemble experience!

This course continues the development of individual and ensemble skills. From composing to conducting, from rehearsal to performing, we will explore various facets of the music industry around the world through the different pieces that we play. Activities for this class include concerts, music festivals and field trips.

CHOIR 9 / 10 / 11 / 12
MMU–09CH4 / MMCC-10 / MCMCC11 / MCMCC12

Do you like to sing? Do you sing in the shower? With the radio?

Everyone has a voice, one that gets better the more you work on it! This course will teach you how to find your voice and how to use it to deliver a message using music and text.

Students will explore individual vocal technique, with song coaching, as well as group vocal techniques where we will learn about harmonies, melodies, and the music of vocal cultures from different eras, as well as from around the world.

EVERYONE has a voice! Come and sing with us!

HIP-HOP 12

Hip-Hop 12 is for students interested in Urban culture and are passionate about learning more. The course provides a history of Hip-Hop, a survey of the 8-elements: MC’ing, DJ’ing, Breakdancing, Graffiti, Beatboxing, Loop pedaling, Behind the scenes, and Originality. It then gives students the chance to study, research, record, and even perform their art. Supplemental Fee may apply.
HOME ECONOMICS

APPLIED SKILLS 8 – TEXTILES AND FOOD STUDIES
This course combines 3 areas: Technical Studies, Entrepreneurship and Marketing, and Textiles and Food Studies. Students will spend 1/3 of the year in each area.

Home Economics is a survey course that introduces students to Food Studies as well as Textiles. In the Food Studies section, students will work in a lab setting and learn proper measurement and mixing techniques and the value of Canada’s Food Guide. Students will learn to prepare quick breads and a nutritious breakfast and lunch.

Supplies: Apron and 3 ring binder

In the Textiles portion, students will learn to use a sewing machine to design and create a variety of textile projects.

FOOD STUDIES 9: MFDN-09
This hands-on course is designed to allow students to develop and demonstrate basic proper food preparation techniques while exploring concepts around food and nutrition. Students will prepare and eat a variety of items such as: baked goods and desserts, soups, pastas, desserts, healthy snacks, and lunch and dinner dishes. Although students will be evaluated primarily on lab work, the course will also include assignment components.

( Supplemental fee may apply)

TEXTILES 9: MADT-09
This course is open grade 9 students. It will be appropriate for students with little or no previous sewing experience. It offers a beginning level of instruction in the use of a sewing machine and a serger to produce a variety of creative textile projects, including appliqué. Examples of projects include bags and seasonal gift items. Students will learn garment construction using a commercial pattern.

FOODS 10: MFDN-10
Leads to: FOODS 11
This is a practical course in which the concepts of food and nutrition are explored. Students will learn cooking and baking techniques to prepare a variety of items including: pasta from scratch, yeast dough, stir-fry, holiday specialties, and a variety of lunch and dinner items. Although students will be evaluated primarily on lab work, the course will also include assignment components. Topics including nutrition, food choices, and the establishment of healthy eating practices may be included.

Supplies: Apron and 3-ring binder
(Supplemental fee may apply)

TEXTILES 10 MTXT-10
This course is open to 10 students. It will be appropriate for students with little or no previous sewing experience. It offers a beginning level of instruction in the use of a sewing machine and a serger to produce a variety of creative textile projects, including appliqué. Examples of projects include bags and seasonal gift items. Students will learn garment construction using a commercial pattern. No Prerequisite required.

FOODS 11 MFDN-11
Leads to: FOODS 12
This course is designed for the student who has some basic food preparation experience and an interest in learning and developing more advanced skills in food preparation while allowing more opportunity for student choice. FOODSAFE LEVEL 1 is offered in this course. Evaluation is based on participation, correct use of equipment, proper technique, ability to work independently on projects as well as with a partner, and finally the success of the finished product.

Required Supplies: Apron and 3 ring binder
(Supplemental fee will apply)

FOODS 12 – INTERNATIONAL FOODS MFDN-12
This hands-on course will explore the cuisine of countries such as: England, Ukraine, Italy, France, China, Thailand, Mexico, India and Greece. In the process, students will be exposed to a variety of ingredients, specialized food preparation techniques and safe food practices. Post-secondary options in the Culinary Arts will be explored.

Required Supplies: Apron and 3-ring binder
(Supplemental fee will apply)
INFORMATION TECHNOLOGY

**Overview:** Information Technology deals with the understanding and use of computer hardware and software tools. Examples of information technology tools include instructional and simulation software, multimedia software and authoring languages that create web sites, plus programming languages in visual, object oriented, and procedural methods. There are two course streams students can follow:

1. **The Information Technology–Literacy** stream emphasizes competency in computer applications, such as Open Office vs3, Photoshop, CS3, 3D Studio MAX, Lightwave 3D modeling, Google’s SketchUp, Adobe’s Creative Studio MX, and Gimp.

2. **The Information Technology–Programming** stream focuses on the computer programming languages used to develop the applications mentioned above. Both courses will overlap to some degree. Literacy stream students will have a better understanding of applications if they understand programming, and programming stream students will develop better applications if they are familiar with current application programs.

Information Technology

INFORMATION AND COMMUNICATION TECHNOLOGIES 9 – MADIT09

The new curriculum core competencies focus on students developing their understanding of personal and social communication. ICT 9 offers a focus on communication through tools like the Internet and how we use it through projects related to the Internet and Social Media. Projects in MS Office 2013/17 and Office 365 offer opportunities for critical thinking and problem solving. Also basic programming and the study of network technologies help students see the structure that maintains global communication.

BA COMPUTER PROGRAMMING 10

YCAIS0A

**Prerequisite:** None

**Leads to:** MICTP11 (Computer Programming 11)

*Students should NOT take MINT-10 if they take this course.*

This course differs from the Information Technology 10 (Literacy) course by focusing on programming. The language introduced in this course will be J++ and possibly Visual Basic. Students completing this course may choose to take ICPT11 Computer Programming 11. In the ICPT11 programming course more advanced topics in programming will be covered using C++. By completing the 10, 11, and 12 programming courses a student should develop a real proficiency in modern programming practices, and theory.

APPLIED DIGITAL COMMUNICATIONS 11

MICTC11

**Prerequisite:** Information Technology 10

**Leads to:** Applied Digital Communications 12 (MICTC12), or Digital Media Development (MICTM12)

*Students should NOT take MICTP 11 (Computer Programming 11) if they take this course.*

This course is made up of three modules: Foundations, Communications and Network Planning, and Presentation.

The primary goal of this course is to develop your confidence and skill in utilizing computers to solve problems and communicate. You will become familiar with a variety of popular software and the Windows environment.

COMPUTER PROGRAMMING 11 MICTP11

**Prerequisite:** Computer Programming 10

**Leads to:** Computer Programming 12.

*Students should NOT take MICTC11 (Applied Digital Communications) if they take this course.*

This course differs from the Applied Digital Communications 11 course by focusing on programming. Students will use two of three possible languages: Visual C++, Visual J++ and Visual Basic. The student may wish to look at a fourth language not specified such as Pearl or C#. Students will work on a set of exercises to learn the foundations of these languages from a textbook or workbook. They can then explore these programming
languages in developing programs that will offer solutions to practical problems such as those associated with website construction, mathematics, or business.

**APPLIED DIGITAL COMMUNICATIONS 12 MICTC12**

**Prerequisite:** Applied Digital Communications  
**Leads to:** Computer Information Systems (MICTS12), Digital Media Development 12 (MICTM12), or Information Technology 12 Advanced (YCSC-12E)  
Applied Digital Communications 12 is an advanced level course in Computer Science. Following the Ministry of Education guidelines the course is composed of three modules: Programming, Networking and the Internet, and Multi Media.

**COMPUTER PROGRAMMING 12 MICTP12**

**Prerequisite:** Computer Programming 11  
**Students should have a strong background in Math and in at least one computer programming language.**  
**Leads to:** Computer Information Systems 12, Digital Media Development 12, or Information Technology 12 Advanced  
This is an advanced level course in Computer Science. Students need to have the ability to work independently with a high degree of self-discipline. Students will work on 3 major term assignments. These could include algorithms, or a problem and a solution set, network design, and web site construction. These areas will require students to use more that one program language. They should have a good knowledge of C++, Java Script and/or J++, HTML and/or PHP.

The instructor will encourage students to participate in advanced computer programming competitions such as the University of Waterloo Computer Science Math Olympiads.

**DIGITAL MEDIA DEVELOPMENT 12 MICTM12**

**Prerequisite:** Applied Digital Communications 11, or instructor’s permission  
**Open to Students in Grades 11 & 12, Digital Media Development is the integration of sound, animation, text, two and three dimensional graphics, video, and images.**  
This course will offer students an advanced Information Technology program aimed at developing multi media applications on personal computers. Students will develop the skills and awareness to communicate their ideas through multimedia presentations, both on their workstation and on the Internet. The course topics are:  
- Image manipulation (PhotoShop)  
- Authoring a production (Adobe’s Dreamweaver, and Flash)  
- Web site creation (HTML, Dreamweaver, PHP)  
Students will develop a high level of self discipline to create projects for each term.

**INFORMATION TECHNOLOGY 12 ADVANCED MICTC12ENR**

**Prerequisite:** Applied Digital Communications 12, Computer Programming 12, or permission of instructor  
This independent study self-designed course gives motivated and advanced Information Technology students the opportunity to develop expertise in specialized areas of Information Technology such as C++, or further developing their fluency in Java, network management, and interactive multimedia.

**COMPUTER INFORMATION SYSTEMS 12 MICTS12**

**Prerequisite:** Applied Digital Communications 12, or instructor’s permission  
**Leads to:** Information Technology 12 Advanced  
In this course you will study N+ network theory, A+ hardware repair and software trouble shooting as well as be active administrators on the Kitsilano network. You will be using WINDOWS Server 2003 and Windows XP for Workstations. Administrators’ duties include installing software, fine tuning the network software, maintaining the computers, researching new software, and providing support to the network users.
PHYSICAL EDUCATION

GENERAL POLICIES

1. Physical Education 8, 9, and 10 are required courses.
2. The course content in Physical Education 8, 9, and 10 is standard for all students.
3. Physical Education 11 and 12 are optional courses.
4. The following gym equipment is compulsory in all Physical Education classes:
   - Running Shoes
   - School Gym Shorts or Sweat Pants
   - School T-Shirt
   - Dudley Lock for Gym Locker

*In Grades 8 to 10, ALL students will be required to purchase and wear school shorts and T-shirts for class. The reasons for this are as follows:
- Safety. Shorts with zippers, belts etc.
- Hygiene: Attending other classes after P.E.
- Social Issues. Wearing inappropriate outfits.
The cost for T-shirt and shorts will be approximately $25.
Optional equipment is as follows:
- Towel
- Sweat Suit

PHYSICAL EDUCATION 8
Major areas of study as selected by Department Personnel: Rugby, Track and Field, Badminton Gymnastic – Mat Work, Field Hockey, Basketball, Volleyball and Wrestling.

PHYSICAL EDUCATION 9
- BOYS MPHE--09B
- GIRLS MPHE--09G
Major areas of study selected are Tennis, Lacrosse, Weight Training, Ice Skating, Gymnastics, Soccer and Volleyball.
Approximately one-quarter of the class time is Co-Ed. A review of P.E. 8 will be included in P.E. 9.

PHYSICAL EDUCATION 10
- BOYS MPE--10B
- GIRLS MPE--10G
Major areas of study as selected by Department Personnel: Touch Football, Golf (Short Game), C.P.R., Archery, Lacrosse, Field Hockey, Jazz & Aerobic Dance. A review of major units taught in P.E. 8 & 9.

PHYSICAL EDUCATION 11- TEAM SPORTS
MPE--11
Core activities include soccer, volleyball, European handball, ultimate, basketball, football, floor hockey, and softball. Community activities will be decided depending on the focus of each individual class.
In addition, students will coordinate a team intramural program and learn how to officiate volleyball and basketball.

*NOTE: PE11 and 12 meet the Graduation requirement of 80 hours of physical activity.

PHYSICAL EDUCATION 11/12 RECREATION
MPE--11G / MPE--12G
This course will include several individual and team sports as well as recreational activities away from the school. The type of community activities will be planned in consultation with the students at the beginning of the school year.
PHYSICAL EDUCATION 12  MPE-12
Prerequisite: PE 11 or Dept. permission

- Performance Oriented Activities - (40% of time). A recreational approach to many of the activities taught in P.E. 8, 9 and 10.
- Leisure Oriented Activities - (50% of time) Activities will be selected from: Skiing, Golf, Grouse Grind, Canoeing, Ice Hockey, Swimming, Bowling, Curling, Sailing, Dragon Boat.
- Service Activities - (10% of Mark)

Students will give service to the school in areas such as: Intramural Organization, Physical Education Equipment Maintenance, Refereeing & Officiating.

YOGA FOR LIFE 12  YLRA-2A
This course has been developed to introduce high school students to the principles of yoga. Yoga for Life is a non-denominational, physical course which promotes lifelong fitness and health. Students will experience various styles of yoga in a safe, supportive, non-competitive learning environment. Physical benefits of yoga include improved muscle tone, strength, flexibility, balance, reduced tension, and improved energy levels. Mental benefits of yoga include stress management, improved concentration, self-awareness and self-discipline. Proper body alignment and breathing will be key topics of the course. Lessons will also be given on the history and philosophy of yoga, the physical benefits of yoga poses, and goal setting.

EXERCISE SCIENCE 11  
Prerequisite: Science 10
This course is intended to provide students who have an interest in both science and physical education with an opportunity to explore the scientific basis behind many of the practices they have encountered throughout their high school physical education experience. The course includes an in-depth study of the human musculoskeletal and cardiovascular systems and the effects of exercise on body systems. Students will study anatomy, physiology, components of physical fitness, biomechanics, sport injury and prevention, human nutrition, and current topics in sport science. The physical component of the course includes practical application of proper techniques and skill development, use of fitness technology and assessment tools, and will also include designing and following therapy programs. This course is geared towards (but not limited to) students who are interested in pursuing a career in sport and health sciences, physical education, fitness, physiotherapy, nursing, occupational therapy, massage therapy, nutrition, and coaching.
TECHNICAL STUDIES

**Evaluation:** In Technical Studies, the emphasis is on project work, and students are expected to participate in the design and manufacture of a variety of projects and processes. There is a theory component to all Technical courses and students will be expected to maintain a notebook and/or logbook of student progress. Shop safety is important in all technical areas and students will be tested on safety in all courses. In general, approximately 70% of the letter grade or percentage is based on projects and assignments and 30% on theory (notebooks, tests, design portfolios, etc.)

APPLIED SKILLS 8
This course combines three areas:
(1) Tech. Studies;
(2) Textiles and Foods; and
(3) Entrepreneurship and Marketing
Students will spend 1/3 of the school year in each area. The Technical Studies component emphasizes basic design skills and safe completion of project work.

GENERAL TECH 9 – MADGE09 4 Credits of Applied Skills (Full Year Course)
This course is a continuation of Applied Skills 8 Technology Education portion. This is an exploration of numerous trades related skills but adding POWER & FIRE!
In this course, the students will explore welding, metal fabrication, carpentry, drafting, power technology skills such as repairing and maintaining bicycles as well as basic car maintenance.
This course will familiarize students with materials and processes involved in these various trades-related skills. This is a basic building block course that will get students ready for the upper level courses that are offered as well as giving them life skills that they can take with them to repair, create and explore.

WOODWORK 10 MTEW-10
(Full Year Course – 4 credits)
This course allows students to design and build small projects in wood. A variety of hand tool and machine processes and finishing techniques will be introduced. Emphasis will be on working on well designed projects in a safe and sustainable manner. Open to all Grade 10 students.

Carpentry & Joinery 11 MCJ-11
A recommended course for students who wish to know more about quality furniture construction and design.
Course Content: Students will learn the safe use of various woodworking machines by designing, model making and building projects of their own choice. Wood finishing techniques including the operation of spray finishing equipment will be taught. (Supplemental fee may apply)

Jewellery Art & Design 10 YIA–0D
This full year course will introduce students to the design and fundamental techniques used in producing constructed and cast jewellery pieces. Basic skills such as sawing, piercing, soldering, finishing and stone setting will be covered. Wax modeling and silver lost wax casting will also be explored. Students will keep a design sketchbook and create original jewellery pieces. (Supplemental fee may apply)

Jewellery 11 – Metal Y1A–1A
A course designed to extend the concepts learned from Jewellery 10. Once fundamental skills have been mastered, emphasis will be on individual design of projects. The techniques of both fabricated and cast jewellery will be explored. (Supplemental fee may apply)

Jewellery 12 – Metal Y1A–2A
Prerequisite: Jewellery 10 or 11
A course designed to let the student who completed Jewellery 11, explore jewellery making in more depth. Emphasis for this course will be on developing strong design skills and elaborating on the basic fabricating skills learned in previous years. Jewellery 11 or permission of the teacher are prerequisites for this course. (Supplemental fee may apply)

Metal Fabrication Machining 11 MMFM-11
In this course, the student will continue to develop skills acquired in previous grades.
Students will learn to perform more complicated machine operations. Foundry, forge work, and welding operations will be stressed during this course. 4 credits of Applied Skills will be received upon successful completion of this course. This is an excellent course for those intending to take Engineering 12 or Metalwork 12. (Supplemental fee may apply)

**METAL FABRICATION MACHINING 12 MMFM-12**
The objective of the course is to upgrade and enhance the skills practiced in Metal 11. Emphasis is placed on more accuracy in the use of all the shop machines and the development of craftsmanship to produce well-finished projects. The students will be assisted in the choice and design of their projects to assure the full use of the available equipment and materials. The students are taught how to use the drills, lathes and milling machines, to do more intricate work than previously experienced. 4 credits of Applied Skills upon successful completion. (Supplemental fee may apply)

**ENGINEERING 11 / 12 YERT-1A / YERT-2A**
Students will be led in discovering the different aspects of engineering. Creating projects by proper planning, testing and feedback will allow students to complete safe successful and functional products. Each project will be more complex than the previous and will make use of the principles learned along the way. There will be individual as well as group work which will emphasis real world problem solving situations. This course is open to all Grade 11 and 12 students. Metalwork and welding experience is helpful but not essential, 4 credits of Applied Skills will be received upon successful completion.
Apprenticeship & ACE IT Programs

Course Planning Guide 2017-2018

ACE IT 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 and offer a huge jump start for students who are also working towards high school graduation. The benefits include:

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

For more information and an application form, please visit the VSB Career Programs website: careerprograms.vsb.bc.ca - links to ACE IT, a pdf brochure for each program, and the application package. Also visit the Industry Training Authority website: www.itabc.ca. All students applying for ACE IT 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 an ACE IT 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.

<table>
<thead>
<tr>
<th>Program</th>
<th>Where the program is taught</th>
<th>Credits towards graduation program</th>
<th>Timetable</th>
<th>Application Due</th>
<th>Month program begins</th>
</tr>
</thead>
<tbody>
<tr>
<td>Auto Refinishing Preparation</td>
<td>VCC</td>
<td>20 credits</td>
<td>Monday - Thursday 8:00 am - 3:00 pm</td>
<td>November 30</td>
<td>February</td>
</tr>
<tr>
<td>Auto Collision Repair Technician</td>
<td>VCC</td>
<td>28 credits</td>
<td>Monday - Thursday 8:00 am - 3:00 pm</td>
<td>March 1</td>
<td>September</td>
</tr>
<tr>
<td>Auto Service Technician</td>
<td>Britannia</td>
<td>16 credits</td>
<td>Day 2</td>
<td>March 1</td>
<td>September</td>
</tr>
<tr>
<td>Baking and Pastry Arts</td>
<td>VCC</td>
<td>24 credits</td>
<td>Monday - Thursday 1:00 pm - 7:15 pm</td>
<td>November 30</td>
<td>August</td>
</tr>
<tr>
<td>Hairdressing</td>
<td>VCC</td>
<td>32 credits</td>
<td>Monday - Friday</td>
<td>March 1</td>
<td>September</td>
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<tr>
<td></td>
<td>Coquitlam SD</td>
<td></td>
<td></td>
<td></td>
<td>February - 2 semesters</td>
</tr>
<tr>
<td>Carpentry</td>
<td>BCIT</td>
<td>16 credits</td>
<td>February - June</td>
<td>March 1</td>
<td>February</td>
</tr>
<tr>
<td></td>
<td>Coquitlam SD</td>
<td>20 credits</td>
<td>Monday - Friday Semester 2</td>
<td></td>
<td></td>
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<tr>
<td>Cook</td>
<td>Sir Charles Tupper</td>
<td>16 credits</td>
<td>Day 2</td>
<td>March 1</td>
<td>September</td>
</tr>
<tr>
<td>Program</td>
<td>Institution</td>
<td>Credits</td>
<td>Intake Dates</td>
<td>Duration</td>
<td>Intake Periods</td>
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<tr>
<td>Cook</td>
<td>David Thompson</td>
<td>16</td>
<td>Day 2</td>
<td>March 1</td>
<td>September</td>
</tr>
<tr>
<td>** Heavy Mechanical Trades**</td>
<td>VCC – Annacis Island</td>
<td>32</td>
<td>Monday - Thursday 36 weeks</td>
<td>3 months prior to intake</td>
<td>Feb, April, July, Sept &amp; Nov</td>
</tr>
<tr>
<td>Plumbing</td>
<td>Piping Industry College of BC</td>
<td>4</td>
<td>Mid-June to late July</td>
<td>March 1</td>
<td>June</td>
</tr>
<tr>
<td>Painting</td>
<td>Finishing Trades Institute of BC</td>
<td>4</td>
<td>Mid-June to late July</td>
<td>March 1</td>
<td>June</td>
</tr>
<tr>
<td>** Millwright</td>
<td>BCIT</td>
<td>20</td>
<td>Monday - Friday</td>
<td>March 1</td>
<td>February</td>
</tr>
<tr>
<td>** Motorcycle &amp; Power Equipment**</td>
<td>BCIT</td>
<td>20</td>
<td>Monday - Friday</td>
<td>March 1</td>
<td>February</td>
</tr>
<tr>
<td>** Metal Fabrication**</td>
<td>BCIT</td>
<td>20</td>
<td>Monday - Friday</td>
<td>March 1</td>
<td>February</td>
</tr>
</tbody>
</table>

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

** Secondary School 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 Wendy Gilmour, Apprenticeship Facilitator 604-713-4470. Information and application forms are available on the VSB website: [careerprograms.vsb.bc.ca](http://careerprograms.vsb.bc.ca) → Our Programs → Secondary School Apprenticeship

** Dual Credit programs:**

Healthcare

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

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

For additional information an application can be found on the VSB Career Programs website at: [careerprograms.vsb.bc.ca](http://careerprograms.vsb.bc.ca) → Our Programs → Healthcare Assistant

Trades Sampler (Grade 12 or 12+)

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

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

For more information on the Trades Discovery program, contact Wendy Gilmour ([wgilmour@vsb.bc.ca](mailto:wgilmour@vsb.bc.ca)).
School-based Programs:

Tupper Tech - Skilled Trades Program at Sir Charles Tupper Secondary

A program for students who are not sure which trade is right for them.
- Day 2
- Students may be able to remain registered @ home school Day 1 for academics
- 24 graduation credits
- Grade 12 program

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

Fashion Design and Technology

Students will enhance their construction skills; study history of costume, fashion merchandising; practice tailoring techniques and pattern drafting. Basic computer assisted design and fashion illustration will be practiced. In year 2, students will complete the graduation collection and portfolio needed for post-secondary entrance. Students may have the opportunity to participate in dual credit opportunities with a Fashion Design Program at a local post-secondary institute.
- Two-year cohort program: grade 11 & 12
- Day 2
- Eric Hamber Secondary

For additional information an application can be found on the VSB Career Programs website at: careerprograms.vsb.bc.ca/ → Our Programs → Fashion Design & Technology

IT and CISCO Networking Program

Students will diversify and enhance their computer knowledge by building a computer, installing software and connecting the computer to networks and to the internet.
- Grade 12
- Day 2
- Killarney Secondary
- One-year cohort program
- Hands-on, laboratory courses
- Prepare for industry-recognized certification
- Receive advanced placement at BCIT

For additional information an application can be found on the VSB Career Programs website at: careerprograms.vsb.bc.ca/ → Our Programs → CISCO
Career Preparation Programs

Career Preparation is a program that integrates classroom theory with practical experience in the workplace. The program links the resources of secondary schools with business, industry and the community to provide young people with highly motivated educational experiences. The Career Preparation program helps students to make decisions about their future career choices and to gain confidence in making the transition from secondary school to the world of work or post-secondary education.

ELIGIBILITY
- Any grade 11 student who is involved in one of the appropriate focus courses and intends to take the second focus course in grade 12. Students should complete the majority of their work experience hours during this school year.
- Grade 12 students who have completed the first focus course, have enrolled in a second, and are willing to complete 90 hours of work experience before September of the following year.

REQUIREMENTS
Students must select a Career Preparation Program offered in the school and then complete:
- 2 focus courses that make up the core of the program
- Support courses are encouraged in associated areas
- A minimum of 90 hours of focus related work experience (WEX12A)

BENEFITS
- Work one to one on placements with a teacher supervisor
- Explore a career choice
- Gain valuable work experience
- Strengthen employment skills through on-the-job training
- Use equipment not available in the schools
- Obtain employment references and make valuable business contacts
- Enhance the possibility of obtaining part-time or full-time employment
- Discover personal interests and abilities
- Obtain a Career Preparation Certificate at graduation
- Develop confidence and self-reliance
- Earn secondary school credits while gaining practical experience

CAREER PREPARATION PROGRAMS OFFERED AT KITSILANO:

A. BUSINESS AND APPLIED BUSINESS

ACCOUNTING
Students will use class time to study accounting principles and procedures, including preparing and understanding financial statements. The Career preparation Program will give them the opportunity to apply this knowledge to a real life situation in an Accounting Department. Placements are in large corporations or in smaller firms (e.g. A&B Sound, B.C. Housing Commission, Davis Wong & Associates, the Vancouver Stock Exchange, etc.).

BUSINESS COMPUTING
Courses offered will focus on managing the daily business activities of a corporation using a computer system, creating business documents, using new technology and developing business communication skills.
ENTREPRENEURSHIP
Courses offered will provide students with hands on experience in developing their own small business venture and an opportunity to understand the current political, economic, social, and technological issues of the global business environment. To apply this knowledge, students will be placed with prominent business owners in the Lower Mainland, learning about the processes involved in business ownership.

MARKETING
Classroom hours will focus on marketing principles in retail operations, market research, consumer behavior, product planning, pricing and advertising. Students will gain valuable skills like communication, teamwork and computer skills while on their 100 hours work experience.

B. FINE ARTS, DESIGN AND MEDIA
This program correlates course-work done in grades 11 & 12, with real life experience in the theatrical world. Work experiences may include teaching experiences with elementary schools, work at the Fringe and Children's Festival, the Opera, Bard on the Beach, T.U.T.S., extras work the school musical (hours with professionals only), and placement in various commercial and community theatres.

FILM AND TELEVISION PROGRAM (TV)
Course content in this area deals with both the performance and production areas of film. Work experience takes these skills and applies them in a real life situation. Placements include work with Digital Imaging companies, shooting and editing films, work in small studios and in advertising.

ART, CERAMICS, & GRAPHICS
Students in this Career Preparation Program can tailor make their studies and related work experiences by choosing a strand in drawing and painting, graphics or pottery. Possible work experience placements include: portfolio workshops, mural design and execution with an artist in residence, placement at the Vancouver Art Gallery and Canadian Craft Museum, teaching experience in the elementary schools and working at various festivals (e.g. the Children's Festival).

MUSIC
Students taking a Career Preparation program in Music may choose from any of the music courses offered. Work experiences include teaching opportunities with elementary students, placements in music stores dealing with sales and repair, playing in the school musical orchestra, work in marketing and set up at music festivals, placements in sound studios and with music groups.

C. FITNESS & RECREATION
Coursework will involve a choice of Physical Education courses in the grade 11 year and Community Recreation in grade 12. Work experiences include refereeing and coaching clinics and work in both of these areas. Students may work in areas of their athletic expertise, athletic and/or community organizations.

D.-F. HEALTH AND HUMAN SCIENCE /SCIENCE AND APPLIED SCIENCE AND/OR CHEMISTRY
These programs correlate the theoretical base developed in traditional Secondary Science courses, such as Biology and Chemistry, with the real world careers that apply the attitudes, skills and knowledge developed in these courses. Work placements may include the B.C. Cancer Agency, U.B.C. Pharmaceutical Sciences, the Bio-Tech Laboratory at U.B.C., Bio-Resources at U.B.C., St. Paul's Hospital, SFU Chemistry and Community Health Services.
G. TRADES AND TECHNOLOGY
Kitsilano Secondary School offers Programs in Technical Studies which will qualify students for a Career Preparation Diploma in addition to the Secondary School Graduation Diploma. Work experiences will take the skills learned in class and use them in the work world. Possible placements include work in the retail sector, with furniture manufacturers and repair companies, working with tradespeople in welding, carpentry or automotive and with small renovating and home construction companies.

Additional information may be obtained from your guidance counsellor, Career Programs Coordinator or supervising teachers in your program area.
The Vancouver Board of Education operates six adult centres throughout Vancouver; some centres also provide outreach programs at offsite locations.

Our centres provide students* with a wide array of flexible and student-centred learning opportunities that range from the basic literacy level (Ministry Foundations courses, Levels 1-6) to high school completion.

The Foundations courses help students develop or strengthen specific core skills needed to successfully complete Grade 10/11/12 courses and obtain a high school diploma. All courses, both Foundations and Grade 10/11/12, follow prescribed Ministry curriculum.

To meet student needs for flexible programming, centres offer courses from early morning to evening and operate year-round with a variety of schedules:
- Semester (2 terms per year; beginning Sept. and Feb.)
- Quarter system (9 week terms; beginning Sept., Nov., Feb., Apr.)
- Summer term (abbreviated)

Depending on student needs, each Centre provides a variety of course formats which include:
- Self-paced courses (blended web-based instruction with face-to-face assistance; paper-based instruction with face-to-face assistance) from Foundations to Grade 10-12 courses
- Structured courses at the Foundations & Grade 10/11/12 levels

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

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

### Adult Education Centres in Vancouver

<table>
<thead>
<tr>
<th>Centre Name</th>
<th>Address</th>
<th>Telephone</th>
<th>Fax Number</th>
<th>Website</th>
<th>Principal</th>
</tr>
</thead>
<tbody>
<tr>
<td>Gathering Place Education Centre</td>
<td>609 Helmcken Street, Van., B.C. V6B 5R1</td>
<td>(604) 257-3849</td>
<td>(604) 257-3851</td>
<td><a href="http://gp.vsbeducation.ca/">http://gp.vsbeducation.ca/</a></td>
<td>Leo Hutchinson (acting)</td>
</tr>
<tr>
<td>Main Street Education Centre</td>
<td>4th Flr., 333 Terminal Avenue, Van., B.C. V6A 2L7</td>
<td>(604) 713-4473</td>
<td>(604) 713-4473</td>
<td><a href="http://www.mainstreeted.com/">http://www.mainstreeted.com/</a></td>
<td>Adrian Keough</td>
</tr>
<tr>
<td>South Hill Education Centre</td>
<td>6010 Fraser Street, Van., B.C. V5W 2Z7</td>
<td>(604) 713-5770</td>
<td>(604) 713-5769</td>
<td><a href="http://southhill.vsb.bc.ca/">http://southhill.vsb.bc.ca/</a></td>
<td>Christine Gilmour-Lammerse</td>
</tr>
</tbody>
</table>
The Vancouver Learning Network is designed to provide opportunities for students to complete secondary school courses in a flexible manner. The program provides a comprehensive selection of quality secondary courses that are delivered largely through asynchronous and self-paced approaches. These courses may replace those in the student's local school, be in addition to their school program, or be a program of full-time studies at VLN.

**Course Offerings at the Vancouver Learning Network (VLN)**

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

- Japanese
- Korean
- Social Justice
- Intro Greek 11
- Social Justice 12
- Writing
- Literature
- Civics
- Mandarin 11 & 12
- Photography
- Entrepreneurship
- Science Fair
- BC First Nations
- Italian 11 & 12
- Independent directed studies

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

**Frequently Asked Questions**

1. **When can I register?**

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

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

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

3. **What does it cost?**

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

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

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

For more information and a complete course list, please visit the VLN website at [http://vlns.ca](http://vlns.ca)