

# SARDIS SECONDARY SCHOOL

## GRADUATION REQUIREMENTS

### 80 CREDITS OVER GRADES 10, 11 AND 12

#### 52 required credits:

- a Language Arts 10 (4 credits)\*
- a Language Arts 11 (4 credits)\*
- a Language Arts 12 (4 credits)\*
- Social Studies 10 (4 credits)
- Social Studies 11, or equivalent (4 credits) \*
- Science 10 (4 credits)\*
- a Science 11(4 credits)\*
- Mathematics 10 (4 credits)\*
- a Mathematics 11 (4 credits)\*
- Physical Education 10 (4 credits)
- A Fine Arts or Applied Skills course (4 credits)\*
- Planning 10 (4 credits)
- Graduation Transitions (4 credits)

\*one from a number of course options

#### 28 elective credits:

An unlimited number of credits from board authorized or post-secondary electives may count toward graduation.

A minimum of 16 credits at the Grade 12 level required.

### FINE ARTS/APPLIED SKILLS REQUIRED CREDITS

Most Grade 11 elective courses satisfy this requirement. Please ask a counsellor if in doubt about a specific course.

### GRADUATION TRANSITIONS (GT)

Students who graduate with a regular BC Dogwood Diploma must complete the Graduation Transitions Portfolio. GT is to be completed by Grade 12 students outside the timetable, with the guidance of their counsellor. This portfolio has 3 components:

- Personal Health – maintain a personal health plan and participate in 100 hours of moderate to vigorous physical activity, throughout grade 11 & 12.
- Community Connections – participate in a minimum of 30 hours of work experience and/or community service and describe what was learned.
- Career and Life – complete a transition plan and present significant accomplishments in an exit interview.

Students complete GT on [www.myblueprint.ca](http://www.myblueprint.ca) completion of GT is reported as RM (requirements met) versus a percent & letter grade. Four credits are assigned once completed.

### DAILY PHYSICAL ACTIVITY

As part of BC grad requirements, all students are required to participate in daily physical activity. Gr.10 students satisfy this requirement through the prescribed PE 10 course. Gr.11&12 students can also fulfill this requirement by taking a PE, Dance or Health & Fitness course. Other students need to keep a log of their physical activities to be turned in by the end of each school year. Gr.12 students record their DPA as part of the Graduation Transitions package.

### COURSE PLANNING

This Course Calendar outlines all courses offered at SSS. Students are to study this booklet (on-line or paper) and discuss their potential course selections with their teachers, counsellors and parents. **A course selection form with final selections, must be completed by all students. This is a downloadable form. Students are urged to check Post-Secondary Entrance requirements when selecting courses.**

This selection phase is of utmost importance as the tallies gathered from the students' choices determine the classes offered for the next year. Every effort is made to enable students to get their chosen courses, however due to timetable constraints sometimes alternate course selections are used.

### COUNSELLING SERVICES

Counsellors are available on an appointment basis. Students are assigned to Counsellors alphabetically. Please email your Counsellor to set up an appointment.

### CAREER CENTRE

The Career Centre is located in room D103 and is a valuable source of career and post-secondary information for all students. A centre where students, parents & teachers can access post-secondary, scholarship, work experience and other sources of career-related planning information, our Career Advisor is available to assist with career searches and address queries.

### PROVINCIAL EXAMS

#### Grade 12

- All students, except those on the Adult Dogwood Program, must write a Language Arts Provincial Final Exam (either English 12, English 12 First Peoples or Communications 12).
- Provincial Exam marks count for 40% of the final grade (except for BC First Nations 12 which is 20%).

#### Grade 10 and 11

Provincial exams worth 20% of the final grade are written for English 10, all Maths 10, Science 10 and Social Studies 11.

### PROVINCIAL SCHOLARSHIPS

- Basic eligibility: citizen or permanent resident of Canada, and resident of BC

#### BC Excellence Scholarships

- \$5000 scholarship awarded to 55 students, recognizing well-rounded graduates. Each school in BC nominates one graduating student

#### BC Achievement Scholarships

- \$1250 scholarship awarded by the Ministry to 3000 graduating students recognizing broad achievement in grad requirements
- Recipients determined on achievement in grades 10,11 & 12 courses within the grad program (including electives)
- Recipients must achieve at least 73% final in Language Arts 12

# PROGRAMS AND SERVICES

## ADVANCED PLACEMENT COURSES

AP courses are usually taken in Grade 12 and are taken either concurrently with the 12 level Ministry course, in a 'combo' format, or following completion of the 12 level Ministry course. Students have the option to write the AP examination in May at a cost of \$100 - \$115. The courses are 1<sup>st</sup> year university level in content. **Reasons to take AP:**

1. They are challenging and provide enrichment to the regular program.
2. Since they conform to international standards, some post-secondary institutions prefer their applicants to take AP courses.
3. Because they are 1<sup>st</sup> year university level courses, students completing them find the transition to first year post-secondary workload easier. **Note:** since AP courses require considerable extra effort, they should only be taken by those who have a keen interest in and ability for the subject. For more information, see your school counsellor or current teachers. AP courses are offered for **Calculus AB, Chemistry, Computer Science (Java), English Literature & Composition, Psychology, and United States History.**

## EXTERNAL COURSE CREDITS

Students are able to earn credit for accomplishments outside the regular classroom setting. Examples: Young Drivers Certificate, Bronze Cross, Royal Conservatory of Music, BC Rep Sports Teams. For a full list of creditable activities and the specific requirements necessary to be granted external credits, please refer to the Ministry website at: [http://www.bced.gov.bc.ca/graduation/ext\\_credentials/ext\\_cred.php](http://www.bced.gov.bc.ca/graduation/ext_credentials/ext_cred.php)

## CONCURRENT UNIVERSITY STUDIES AT UFV

UFV provides an opportunity to take courses at UFV while completing grade 12 at Sardis Secondary. Why?

- It provides a smooth transition for students moving from high school to university
- It jump starts university education while students complete high school
- Students receive high school credits for their university course (dual credit)
- Students get to explore career options and educational pathways
- Cost to student is a \$45 application fee

Talk to your counsellor during course planning time to see if this opportunity is right for you. Recommendation from SSS is required prior to being accepted by UFV. Concurrent Studies students may be eligible (depending on recommendation and prerequisites) for one course per semester outside the school timetable.

Deadline for applying to UFV for concurrent studies is May 31<sup>st</sup> – late applications will not be accepted. See your counsellor for a registration package. Further Information on Concurrent Studies at UFV: <http://www.ufv.ca/ar/admissions.htm#concurrent>

## APPRENTICESHIP PROGRAM

This is a career program that has established agreements to enable a number of students to make a smooth transition between Sardis Secondary and the apprenticeship system. For further information find the Apprenticeship section of this booklet and/or contact the **Program Coordinator at 604-798-0797**. Entry to this program requires prior approval.

## ACE-IT WELDING PROGRAM

This is a joint venture with the University of the Fraser Valley (UFV) and the Industry Training Authority (ITA) and SSS to enable students to complete the first half of the BC Welding 'C' ticket at SSS. In the 2<sup>nd</sup> semester of their grade 12 year, these students attend the UFV Welding Program to complete their ticket. As well as achieving a Welding 'C' ticket, upon completion, the student will earn 16 credits towards their high school Grad Requirements. There are limited spaces at UFV, so in order to be eligible for a spot in the UFV program, students must have excellent attendance and work habits in all of their courses.

## WORK EXPERIENCE PROGRAMS

Work Experience Programs provide an opportunity for students to acquire a broad overview of particular options in academic, vocational and technical fields. A complete listing of these programs can be found on page 32 of this course calendar.

## DISTANCE EDUCATION COURSES (DL)

Students attending Sardis Secondary may enrol in Fraser Valley Distance Education School courses. Reasons for such enrolment may include: a timetable conflict that restricts course choice; a prerequisite course that has been failed; an extra course is desired; a desire to develop individualized learning skills; a course "match" is not possible due to transfer between schools, personal or attendance concerns. Students are advised to meet with their counsellor to determine whether a correspondence on-line course will meet their needs.

## LANGUAGE / CULTURAL / HUMANITARIAN EXCHANGES

**China:** SSS has a unique partnership with Nankai High School in Tianjin, China. Each year a group of Chinese students spend a few weeks attending SSS, billeted in homes of our students. During spring break a group of our students visit China and are billeted in Chinese homes in Tianjin. The trip also includes a stay in Beijing. Contact the office for more details. **German and French Language exchanges:** refer to one of our language teachers for further information.

**Project Help Mexico and Costa Rica:** contact the office for information.



# ART

## GENERAL INFORMATION ABOUT VISUAL ARTS PROGRAM

The aim of the Visual Arts program is to allow learners to experience the power, ideas and emotions expressed in visual images by enabling them to perceive, respond to, create, and communicate with images.

During the school year, the Visual Arts program offers a series of courses in both 2 dimensional and 3 dimensional media. Students may choose a specialization or a combination of courses to meet provincial credit requirements and electives. Within a specialization, courses are sequential & require the prerequisite noted or demonstrated achievement of the course objectives.

In all courses, evaluation is based on completion of a series of tasks which demonstrate development of skill & art theory. Effort, attitude, & attention to safety will also be evaluated. Students will be given a list of general supplies which they will be expected to bring to all classes.

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### VISUAL ART MEDIA (ANIMATION) 11

*MVAMT 11 (4)*

**Prerequisite:** None

- Offered to meet the growing demand for animators from industries such as movie and television, computer and video game design, architectural 'walk through' productions, etc.
- Course content will include manual drawing and classical animation theory such as Storyboarding, Character design, Background design, Layout, Special effects, etc.
- Industry standard 3DS Max software will be used for 3D exercises, activities and short term projects to learn the course curriculum with emphasis on a long term project demo reel to show ability

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### VISUAL ART MEDIA (ANIMATION) 12

*MVAMT 12 (4)*

**Prerequisite:** Animation 11 (VAMT 11) or a portfolio submission and evaluation by instructor

- Concentration on the production of a major Animation project
- This major project will reflect the area of Animation the student has a special interest in and/or would like to focus on as a possible career or post-secondary concentration
- Emphasis will be on creating a demo reel and producing a portfolio in anticipation of applying for post-secondary program entrance and/or employment

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### ART FOUNDATIONS 11

*MAF 11 (4)*

**Prerequisite:** None

- Designed to allow students to explore a variety of art methods
- Recommended for students planning to take further Graduation level art programs
- Students are encouraged to take this course to explore their visual creativity
- Opportunities in: drawing, painting, printmaking/graphics, sculptures, textiles, ceramics and/or First Nations art

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### ART FOUNDATIONS 12

*MAF 12 (4)*

**Prerequisite:** Art Foundations 11

- Designed to allow students to continue to explore a variety of art methods
- Independent work is encouraged at a more advanced level
- Major projects from the following: drawing, painting, graphics, computer graphics, sculpture, textiles, ceramics, and/or First Nations Art

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### COMPUTER GRAPHIC DESIGN 11

*YCCT-1B (4)*

**Prerequisite:** Some computer and art/sketching skills are helpful, but not necessary

- Exploration & mastery of tools used in vector drawing (Illustrator), photo editing (Photoshop) & general design concepts
- Requirement to produce commercial works for various school and community publications.
- Evaluation will be based on assignments, projects and tests.

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### COMPUTER GRAPHIC DESIGN 12

*YCCT-2B (4)*

**Prerequisite:** Computer Graphic Design 11

- Use of the tools mastered in Graphic Design 11 vector drawing (Illustrator), photo editing (Photoshop) as well as general design concepts to: work on projects that are more technically advanced; work on projects that are more conceptually advanced; and produce commercial works for various school and community publications
- Evaluation will be project based and will require the student to keep a portfolio of the work they have done.

**STUDIO ARTS 11: DRAWING AND PAINTING***MSADP 11(4)***Prerequisite:** Art Foundations 11

- Students will create personally meaningful images through drawing, painting and graphics; explore a variety of sources, techniques, and strategies for image development and design; and apply visual elements and principles of design to the work - graphite, charcoal, pastel, pencil crayon, pen & ink, acrylic paint, water colour techniques
- Evaluation: in class assignments, projects, sketchbook, and written self-evaluation.

**STUDIO ARTS 12: DRAWING AND PAINTING***MSADP 12 (4)***Prerequisite:** Studio Arts 11: Drawing and Painting

- Includes drawing and painting using graphite, charcoal, pastel, pencil crayon, pen and ink, acrylic paint and water color
- Students will create personally meaningful images while exploring a variety of sources, techniques, & strategies for image development & taught to apply the visual elements & principles of design. Student will build on media techniques from SADP 11
- Encourages critical thinking and problem solving; requires a willingness to establish, implement, and assess personal goals.

**STUDIO ARTS 11: SCULPTURE, CERAMICS, AND ARCHITECTURE***MSACS 11 (4)***Prerequisite:** None

- Designed to allow students to specialize in three-dimensional art forms
- Focus on 3D ceramic sculpture, pottery – wheel throwing, hand building, sculptural forms in a wide variety of materials and techniques.

**STUDIO ARTS 12: SCULPTURE, CERAMICS, AND ARCHITECTURE***MSACS 12 (4)***Prerequisite:** Studio Arts 11: Sculpture, Ceramics, and Architecture.

- Designed to allow students to continue to specialize in three dimensional art forms.
- Focus will be 3D ceramic sculpture, pottery – wheel throwing, hand building, sculptural forms in a wide variety of materials and techniques
- Builds upon and expands grade 11 skills.

**STUDIO ARTS 11: PRINTMAKING***MSAPG 11 (4)***Prerequisite:** None

- Exploration of a variety of printmaking techniques that include relief printing, screen printing, engraving, as well as some photo-based processes
- Encouragement to develop personally meaningful images while mastering the processes of each printing technique
- Expectation: make art prints, cards and posters and the opportunity to print designs on t-shirts or other textile items

**STUDIO ARTS 12: PRINTMAKING***MSAPG 12 (4)***Prerequisite:** Studio Arts 11: Printmaking

- Continued exploration of a variety of printmaking techniques including relief & screen printing, engraving, as well as some photo-based processes
- Student will work on projects that are more advanced conceptually, as well as technically
- In addition to printing their own projects, students can expect to be involved in printing projects for others, such as designing and printing t-shirts for clubs or other groups

**STUDIO ARTS 11/12: TEXTILE AND FIBRE ARTS***MSAFF 11 (4) / MSAFF 12 (4)***Prerequisite:** None

- Designed to allow students to explore a variety of art methods incorporating the fibre and fabric arts
- Opportunities to work in the areas of tie & dye, batik, weaving, stitchery, appliqué, spinning & dying wool, fabric painting, quilting & beadwork, silk painting & Japanese embroidery, felting & a wide variety of fabric techniques, embellishments & computer images on fabric.

**YEARBOOK PRODUCTION 11***YCCT-1A (4)***Prerequisite:** C+ average or better overall and teacher approval

- For students who have an interest in producing the school's yearbook
- Includes a variety of experiences in writing, digital photography, drawing and desktop publishing.
- The production of the yearbook encourages critical thinking and problem solving and requires students to be willing to meet strict deadlines. This course is useful for students interested in careers in business or art as creativity and technology are applicable to both fields. Current software programs used are Adobe InDesign and Adobe Photoshop.
- A great practical application course for students who want experience in computer graphics.
- Evaluation: in class assignments to apply design theory and technology; assigned pages, photography, drawings or written articles; the final term project.

**YEARBOOK PRODUCTION 12**

YCCT-2A (4)

**Prerequisites:** Yearbook 11 and teacher approval

- For students who have an interest in producing the school's yearbook
- Expectation: to take on leadership roles as editors and creative art directors. Students will have a variety of experiences in writing, photography, drawing and desktop publishing.
- The production of the yearbook encourages critical thinking and problem solving and requires students to be willing to meet strict deadlines. This course is useful for students interested in careers in business or art as creativity and technology are applicable to both fields. Current software programs used are Adobe InDesign and Adobe Photoshop.
- A great practical application for students who want experience in computer graphics.
- Evaluation: in class assignments to apply design theory and technology; assigned pages and photography.

**BUSINESS**

**Dual Credit:** The following courses are eligible for dual credit at Seabird College: AC 11, ACC 12, BCA 11, DM 12, BIM 12 & MK 12. Please see Mr. Watt for further information.

**ACCOUNTING 11**

MAC 11 (4)

**Prerequisite:** None

- Introductory course, covering debit and credit theory, GST and PST, the accounting cycle, journal entries, ledgers
- Analyzing and interpreting financial statements and introduction to Simply Accounting Software
- Evaluation on tests, quizzes and daily work

**ACCOUNTING 12**

MACC 12 (4)

**Prerequisite:** Accounting 11

- Enables students to use Simply Accounting to input, analyze and report the finances of business
- Usage of General Ledger, Accounts Payable, Accounts Receivable, Payroll, Inventory and Job Cost Modules
- Evaluation on projects, daily work and tests

**BUSINESS COMPUTER APPLICATIONS 11**

MBCA 11 (4)

**Prerequisite:** None

- Improve keyboarding and report skills for post-secondary
- Learn at your own pace, self-directed with multi-media lessons
- Advanced PowerPoint presentations, web pages, brochures, business letters, reports, digital imaging-Photoshop, Microsoft Word

**BUSINESS INFORMATION MANAGEMENT 12**

MBIM 12 (4)

**Prerequisite:** None

- Like a grade 11 course (however you get grade 12 credit)
- Improve keyboarding skills and focus on skills for managing your business, or working as manager of any business
- Learn at your own pace, self-directed with multi-media lessons
- Digital imaging-Photoshop
- Learn about employee scheduling, tracking expenses, the running of a CD store with Microsoft Excel

**DATA MANAGEMENT 12**

MDM 12 (4)

**Prerequisite:** None.

- Like a grade 11 course (however you get grade 12 credit)
- Focus on database development using Microsoft Access, easy to create interfaces constructed for schools, hospitals, restaurants, retail stores, etc. - valuable skills applicable to any business

**ENTREPRENEURSHIP 12**

MENT 12 (4)

**Prerequisite:** None

- Provides students with an understanding of business and entrepreneurship in Canada
- Going into business for yourself, researching and planning your business, market strategies, and finance
- Special Projects: Students will create their own business, using the Business Model Canvas ([steveblank.com](http://steveblank.com)). Last year's Entrepreneur of the year just won \$10,000 in cash and services for [www.thebarterbrothers.ca](http://www.thebarterbrothers.ca) hands-on, production course. Students should be motivated. Final presentation is Dragons Den night.

**KEYBOARDING 11**

YBMO-1A (4)

**Prerequisite:** None. Open to grade 10, 11 and 12 students

- To develop keyboarding proficiency as a foundation for career development and personal life skill
- Research has shown that keyboarding increases performance in reading, spelling, grammar and creative writing
- Personal and business applications, e.g., letters, memos, reports
- Word processing (Microsoft Word), presentation skills (PowerPoint) and Internet searches
- Students will be evaluated on assignments, daily work and tests

**MARKETING 11 & 12**

MMK 11 (4)/ MMK 12 (4)

**Prerequisite:** None

- Learn how to sell products by learning the psychology involved in business
- Internet searches, class discussions, videos, projects, games, computer projects, group work, notes
- Create a valued product that meets real needs, for example, checkout [www.maverickssuccess.com](http://www.maverickssuccess.com) or [www.mapsforexcellence.com](http://www.mapsforexcellence.com)

**PLANNING 10**

MPLAN 10 (4)

- A required course encompassing the following: Graduation Program, Education and Careers; Health, and Finances
- Students will encounter a variety of teaching strategies involving note-taking skills, class discussions, reading, essay writing, debates, and working with numerical concepts
- Students will become informed decision makers and will develop an understanding of their personal responsibility for attaining and maintaining their overall health and financial well being, and for pursuing and achieving their education and career goals
- Develop attitudes, skills, and knowledge to plan for their transition from secondary school to their adult lives
- Many Planning classes are computer based; conducted in computer labs. These classes are self-paced, with teacher instruction.

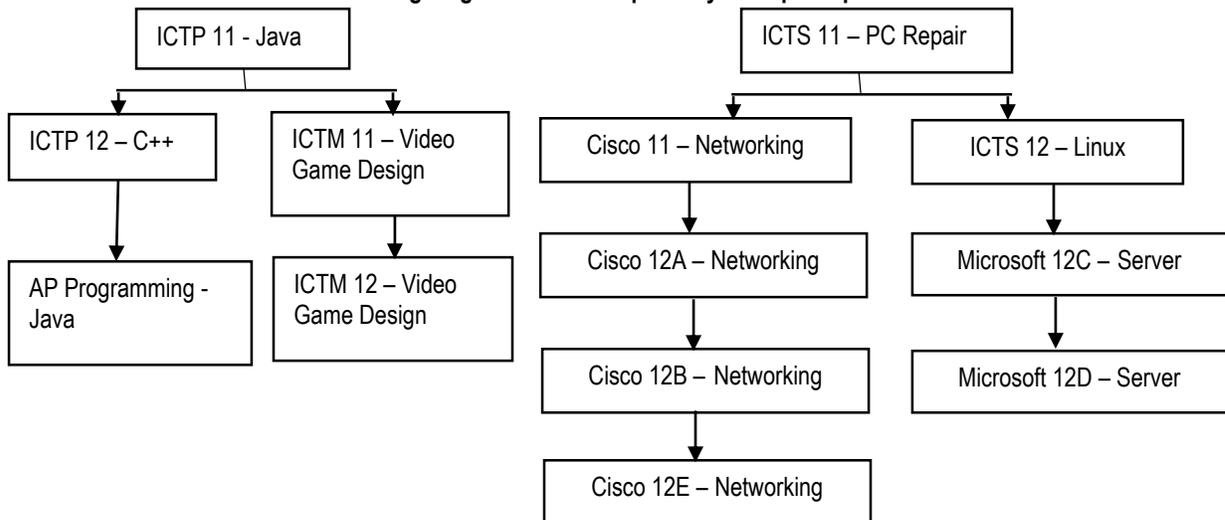
**ECO-ADVENTURE TOURISM – see SCIENCE (page 24)**



# COMPUTER SCIENCE

The majority of these courses are Industrial Certification courses certified by CompTIA, Cisco Systems or Microsoft. See individual courses for the list of prerequisites. Skills Canada Training – Students completing ICTS 11, ICTS 12, Microsoft 12C, CISCO 11/12A/12B will have the necessary training and skills to compete at the Skills Canada Competitions. Talk to the instructor for further information.

The following diagram shows the pathways and prerequisites for each course.



All computer courses offered can be taken in a classroom situation or on-line. Transfer credits for post-secondary available for many of these courses. See Mr. Murtha for more info.

<b>ICT: DIGITAL MEDIA DEVELOPMENT 11 (Video Game Design 1)</b>	<i>MICTM 11(4)</i>
<b>Prerequisite:</b> A 'C+' average in ICTP 11 and permission from ICTP instructor	
<ul style="list-style-type: none"> <li>• Provide students with a complete understanding of the technological and creative aspects of video game design</li> <li>• Students will participate in a simulation of a real video game design team, seeing each project from origination to fruition</li> </ul>	
<b>ICT: DIGITAL MEDIAL DEVELOPMENT 12 (Video Game Design 2)</b>	<i>MICTM 12 (4)</i>
<b>Prerequisite:</b> A 'B' average in ICTM 11 and permission from instructor	
<ul style="list-style-type: none"> <li>• The course covers advanced topics not covered in ICTM 11</li> <li>• Students will participate in a simulation of a major project from origination to fruition</li> <li>• Evaluation is project based.</li> </ul>	
<b>ICT: COMPUTER PROGRAMMING 11</b>	<i>MICTP 11 (4)</i>
<b>Prerequisite:</b> A 'B' average in Math 9 or a 'C+' average in Math 10. It is also highly recommended that students sign up for Career Preparation Computer Science Work Experience Program	
<ul style="list-style-type: none"> <li>• An introduction to computer programming using an object-oriented programming language</li> <li>• Students will use the programming language - Java</li> <li>• Students will cover fundamental concepts such as design of objects, interaction between objects, and implementations of object methods, through hands-on lab activities, programming assignments, and game design projects</li> <li>• Emphasis will be placed on clarity, style and design throughout</li> </ul>	
<b>ICT: COMPUTER PROGRAMMING 12</b>	<i>MICTP 12 (4)</i>
<b>Prerequisite:</b> A 'C+' or better in ICTP 11	
<ul style="list-style-type: none"> <li>• An introduction to C++ computer programming. Students will use the programming language – C+</li> <li>• Students will cover fundamental concepts such as design of objects, interaction between objects, and implementations of object methods, through hands-on lab activities, programming assignments, and game design projects</li> <li>• Emphasis will be placed on clarity, style and design throughout</li> </ul>	
<b>AP COMPUTER SCIENCE A 12 (JAVA PROGRAMMING)</b>	<i>ACSC 12 (4)</i>
<b>Prerequisite:</b> A 'B' average standing in ICTP 12. It is also highly recommended that students sign up for Career Preparation Computer Science Work Experience Program.	
<ul style="list-style-type: none"> <li>• Completion of this course prepares students for an optional AP JAVA exam (cost of \$100 - \$115.00) which, with a high enough score, allows for transfer credit to post-secondary institutions.</li> <li>• It is recommended that students take this course in semester 2, as the AP exam is in May</li> </ul>	
<b>ICT: COMPUTER INFORMATION SYSTEMS 11(A+ CERTIFICATION)</b>	<i>MICTS 11 (4)</i>
<b>Prerequisite:</b> A 'C+' average in Math 9 or Science 9. It is also highly recommended that students also sign up for Career Preparation Computer Science Work Experience Program.	
<ul style="list-style-type: none"> <li>• A hands-on course in computer hard-ware and software technology</li> <li>• Students will gain the necessary computer hardware/software knowledge and skills to identify, install, configure, upgrade, troubleshoot, and build a computer</li> <li>• Emphasis on the A+ Certification Exams. Most PC repair companies require employees to have their A+ certificate.</li> </ul>	
<b>ICT: COMPUTER INFORMATION SYSTEMS 12 (Linus)</b>	<i>MICTS 12 (4)</i>
<b>Prerequisite:</b> A 'B' average in ICTS 11. It is also highly recommended that students sign up for Career Preparation Science Work Experience Program	
<ul style="list-style-type: none"> <li>• Focus is on the fundamental of the Linux operating system and command line</li> <li>• Students interact with the Linux operating system and build on their skills and knowledge as they progress through the course.</li> </ul>	
<b>CISCO 11 (CISCO Networking Certification – Part 1)</b>	<i>YCAIS-1A (4)</i>
<b>Prerequisite:</b> A 'B' average in ICTS 11. It is also highly recommended that students sign-up for Career Preparation Computer Science Work Experience Program	
<ul style="list-style-type: none"> <li>• A hands-on course in networking fundamentals</li> <li>• Focus on networking devices, IP addressing, Ethernet cabling, and an introduction in routing theory</li> <li>• Students will learn to make patch cables, and do installation of structured cabling</li> <li>• Emphasis is on the Cisco CCNA Certification Exams</li> </ul>	
<b>CISCO 12A (CISCO Networking Certification – Part 2)</b>	<i>YCAIS-2A (4)</i>
<b>Prerequisite:</b> A 'B' average standing in CISCO 11A. It is also highly recommended that students sign up for Career Preparation Computer Science Work Experience Program	
<ul style="list-style-type: none"> <li>• A hands-on course in networking routing concepts</li> <li>• Focus on routing theory, router components, routing protocols and an introduction to switches</li> <li>• Learn to set up, wire and configure LAN/WAN based routers. Emphasis is on the Cisco CCNA Certification Exam</li> </ul>	

**CISCO 12B (CISCO Networking Certification – Part 3)**

YCAIS-2B (4)

**Prerequisite:** A 'B' average standing in CISCO 12A. It is also highly recommended that students sign up for Career Preparation Computer Science Work Experience Program

- A hands-on course in networking switching and WAN concepts
- Focus on LAN switches, bridges and WAN services
- Learn to set up, wire and configure switches. There will be an emphasis on the Cisco CCNA Certification Exams.

**CISCO 12E (CISCO Networking Certification – Part 4)**

YCAIS-2E (4)

**Prerequisite:** A 'B' average standing in CISCO 12B. It is also highly recommended that students sign up for Career Preparation Computer Science Work Experience Program (WEX 12A)

- A hands-on course in networking WAN concepts
- Focus on WAN services
- Learn to set up, wire and configure routers and switches. There will be an emphasis on the Cisco CCNA Certification Exams.

**MICROSOFT CERTIFIED PROFESSIONAL 12C**

YCAIS-2C (4)

**Prerequisite:** A 'B' average in ICTS 12. It is also highly recommended that students sign up for Career Preparation Computer Science Work Experience Program.

- Implementing, managing and maintaining a Microsoft Windows server 2008 network infrastructure.
- The tasks include implementing, managing, and maintaining Dynamic Host Configuration Protocol (DHCP), Domain Name System (DNS), and Windows Internet Name Service (WINS), and securing Internet Protocol (IP) traffic with Internet Protocol security (IPSec) and certificates

**MICROSOFT CERTIFIED PROFESSIONAL 12D**

YCAIS-2D (4)

**Prerequisite:** A 'B' average in Microsoft 12C. It is also highly recommended that students sign up for Career Preparation Computer Science Work Experience Program.

- Planning and maintaining a Microsoft Windows server 2008 network infrastructure. The goal of this course is to provide students with the knowledge and skills necessary to plan and maintain a Windows Server 2008 network infrastructure.



# ENGLISH

The English Department offers several pathways through its programs. Each of these pathways offers a different focus within the English Language Arts curriculum and exists in order to best serve student's individual needs and goals. It is the student's responsibility to ensure his/her program meets any entrance, or special requirements for post-secondary or training institutes.

**COMMUNICATIONS 11**

MCOM 11(4)

**Prerequisite:** English 10

- Develops practical reading and writing skills which are applied to real world situations and scenarios
- Intent is to strengthen students' reading, writing & communication skills in work place and real world communications such as letters, memos, process analysis (instructions and manuals), informational text, and presentations
- There is a greater focus on practical writing than on academic writing in this program.
- Com 11 students should plan on taking Com 12. This pathway is preferable for those students who plan on technical or trades related careers, or for those students who wish to attend community colleges and who have not achieved 60% or better in previous English Language Arts courses.

**COMMUNICATIONS 12**

MCOM 12(4)

Provincially Examinable Course (40% of final mark)

**Prerequisite:** Communications 11 or English 11

- More focused on practical applications for writing (letters, business memos, advertising copy, process manuals) than English 12
- Students study several genres of literature and will be expected to respond critically through essays and paragraph responses.
- A good course choice for those students who do not intend on going on to post-secondary education, or who are looking at going to work straight out of high school, or who are considering vocational, or private training institutions

<b>ENGLISH 10</b> Provincially Examinable Course (20% of final mark) <b>Prerequisite:</b> 60% in Humanities 9 or English 9	<i>MEN 10 (4)</i>
<ul style="list-style-type: none"> <li>• Focuses on academic reading and writing skills</li> <li>• Through close analysis and reading of several genres of fiction, non-fiction, and poetry students will learn to critically respond to literary elements in prose and poetry</li> <li>• Students will be expected to begin developing sophisticated reading and writing skills for further development in English 11 &amp; 12</li> </ul>	
<b>ENGLISH 10 LITERATURE</b> Provincially Examinable Course (20% of final mark) <b>Prerequisite:</b> 73% or higher in Humanities 9 or English 9	<i>MEN 10H (4)</i>
<ul style="list-style-type: none"> <li>• A Literature-based course for students who love to read and write, and who have an interest in taking English 11 Literature and Literature 12 or AP Literature 12 in subsequent year</li> <li>• Introduces students to the challenge of academic reading and writing and begins exposure to a wide variety of literary genres</li> </ul>	
<b>ENGLISH 10 ESSENTIALS</b> Provincially Examinable Course (20% of final mark) <b>Prerequisite:</b> Humanities 9 or English 9 with teacher recommendation	<i>MEN 10E (4)</i>
<ul style="list-style-type: none"> <li>• For students who are motivated to improve, but who struggle with the fundamentals of English</li> <li>• Intended to fill "learning gaps" in students' reading, writing, or communication skills, and to address individual needs within the English Language Arts curriculum</li> <li>• The premise behind the course is to provide a greater possibility for success, both with course material &amp; the Provincial exam</li> <li>• Successful completion of English 10 (Essentials) will earn regular English 10 credit and the opportunity to explore all future course options within our English program</li> <li>• It is recommended that English 10 Essentials students enrol in Communications 11 upon completion of this course.</li> </ul>	
<b>ENGLISH 11</b> <b>Prerequisite:</b> 60% or higher in English 10	<i>MEN 11 (4)</i>
<ul style="list-style-type: none"> <li>• This course continues the development of reading and writing skills established in the English 10 programs</li> <li>• Focus is on analyzing and responding to short stories, novels, poetry, drama, and non-fiction prose</li> <li>• Students will be expected to begin developing personal style in their academic analysis of text, as well as in their own expository and narrative prose. Because English 11 is within the academic pathway, and because it is intended for those students who hope to enter straight into university from high school, the program is demanding</li> <li>• Students are required to demonstrate mastery of several types of writing, &amp; employ a wide variety of reading strategies</li> <li>• Students should expect homework every night (including weekends) and should expect to do a lot of reading</li> <li>• This course is a graduation requirement and has a grade wide final exam</li> </ul>	
<b>ENGLISH 11 LITERATURE</b> <b>Prerequisites:</b> 73% or higher in En 10 or C+ in En 10 Literature and teacher recommendation	<i>MEN 11H (4)</i>
<ul style="list-style-type: none"> <li>• This intense literature-based course continues the development and focus of the En 10 Literature course</li> <li>• A course for students who love to read and write, and have an interest in taking Literature 12 or AP Literature 12</li> <li>• The course content serves as an introduction to higher level literature courses and to introduce some of the AP topics</li> <li>• Students will be exposed to a wide variety of literature that spans several eras and genres</li> <li>• There will be a final exam for the course and students will be expected to write the grade-wide En 11 final exam</li> </ul>	
<b>ENGLISH 12</b> Provincially Examinable Course (40% of final mark) <b>Prerequisite:</b> English 11 or English 11 Literature with 60% or higher in English 11	<i>MEN 12 (4)</i>
<ul style="list-style-type: none"> <li>• Emphasize on mastery of composition &amp; language skills as well as challenging students with a variety of literary works</li> <li>• 60% of the final grade is generated from class work while 40% is determined by a provincial examination</li> <li>• Graduation is dependent upon completion of EN12 or COM12. Evaluation: based on learning outcomes, criteria for the course.</li> </ul>	
<b>ENGLISH 12 BLENDED</b> Provincially Examinable Course (40% of final mark) <b>Prerequisite:</b> English 11 or English 11 Literature with 60% or higher in English 11	<i>MEN 12B (4)</i>
<ul style="list-style-type: none"> <li>• This unique version of English 12 is a blend of online and classroom-based learning. Students attend a regular class, but instruction resides largely on the internet.</li> <li>• The course is linear (Sept – June) yet students can work at their own pace. This course will appeal to those who like to work independently and to those who are absent for extended periods of time.</li> <li>• Graduation is dependent upon completion of EN12 or COM12. Evaluation: based on learning outcomes, criteria for the course.</li> </ul>	<b>New!</b>

**LITERATURE 12***MLIT 12 (4)***Prerequisite:** "C+" in English 11 recommended

- An excellent course for students thinking of attending university or college
- A survey English course that covers all the famous works in English Literature (Chaucer, Shakespeare, Milton, Wordsworth, etc.) from 449-1900 AD
- Excellent for both Arts & Science students. Provides excellent foundation for 1st year students, regardless of academic aspirations
- Evaluation: The final school mark is based on essays, examinations, study questions and course work.

**ENGLISH 12/LITERATURE 12/AP LITERATURE 12***AELC 12(4) /MEN 12 (4) /MLIT 12 (4)***Combo course - 2 timetable blocks.**

EN 12 - Provincially Examinable (40% of final mark)/ LIT 12 &amp; AP LIT 12 (Optional AP exam in May at a cost of \$100 - \$115.00)

**Prerequisite:** 'B' in English 11 recommended

- Combines 3 courses for a total of 12 credits: upon successful completion
- Students will read a variety of literature, poetry, short stories, and novels. AP LIT 12 is designed for those students who have a great interest in English Literature and who wish to further their studies in post secondary institutions
- Evaluation: English 12 – see above, AP mark determined through essays, exams, course work
- Students who score high enough on the optional AP exam could receive credit for one first year university English course.

**SAT PREP ENGLISH/MATH 12***YMIS 2A (4)*

- Prepares students for the SAT exam
- Students will enrich their vocabulary, critical thinking, critical reading and technical writing skills and math
- Students who intend on writing the SAT (Scholastic Aptitude Test) should take this course; it's also useful for those considering the LSAT and TOEFL exams
- Open to Gr 10,11 & 12 students as an elective
- Students will encounter a mixture of resources, including quizzes, readings, and practice exams; specific test-taking skills will be developed

**WRITING 12***MWR 12 (4)***Prerequisite:** "C+" in English recommended

- For student writers of poetry, fiction, drama and creative non-fiction
- Writing 12 is for students in grades 11 and 12 who have a special interest and ability in writing
- This course will look at what it takes to be a writer, providing students with the opportunity to experiment with different genres of writing, workshop drafts in progress, and ready their writing for publication
- An assumption is that students enrolled in Writing 12 are willing to establish a writing community within the class through participation in ongoing workshop groups and tutorials of their works-in-progress
- Evaluation will be based on assessment of skill-building assignments and developing work, production of a final portfolio, participation in workshop groups, and submission of several pieces of writing for publication

**ENGLISH 12 FIRST PEOPLES***MEFP 12 (4)*

Provincially Examinable Course (40% of Final Mark)

**Prerequisite:** English 11, minimum letter grade "B"

- Academic equivalent of EN 12. Challenge level equivalent to LIT 12. May be taken in place of EN 12; however, please refer to post-secondary requirements for your chosen institutions to confirm this. English 12 First Peoples (EFP 12) can be taken in addition to English 12 (EN 12), for separate credit
- Intended for both Aboriginal and non-Aboriginal students
- Invites all learners to explore and discover First Peoples' world views through the study of literary, informational and media text with local, Canadian and international First People's content
- Engage with First Peoples' creative expression & enter the world of First Peoples provincially, nationally & internationally
- Focus of the course is on experiences, values, beliefs and lived realities of First Peoples as evidenced in various forms of text including: story, speech, drama, dance, song, film, prose and oral stories



# HOME ECONOMICS

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## COOK TRAINING 11A and 11B

MCKT 11A (4) / MCKT 11B (4)

**Prerequisite:** None. Priority placement given to grade 11 and 12 students. Foods & Nutrition 11 recommended

- Learn how to prepare entrees, baked goods, soups and salads. (practical and commercial cooking skills)
- Acquire teamwork, organizational and employment skills
- Demonstrate correct and safe use of equipment and techniques
- Complete theory and written work components including Food Safe Certification

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## COOK TRAINING 12A

MCKT 12A (4)

**Prerequisite:** Cook Training 11A

- Learn more advanced techniques in food preparation and presentation.
- Will be able to further education in the Hospitality industry

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## COOK TRAINING 12B

MCKT 12B (4)

**Prerequisite:** Cook Training 12A

- Work more independently to develop cooking skills while preparing a large variety of foods
- An excellent foundation for cooking at the college level
- Evaluation on correct and safe use of equipment and techniques as well as completion of practical and written theory

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## COOK TRAINING 12C

MCKT 12C (4)

**Prerequisite:** Cook Training 12B

2 Options to choose from:

BAKING – Study and prepare pastry and baking products OR

ETHNIC – Explore ethnic cooking studying 3 countries and preparing foods common to their country and their culture.

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## PROFESSIONAL COOK TRAINING APPRENTICESHIP: ACE IT PROGRAM

PW—2ACKT (4)

**UFV DUAL CREDIT – GRADE 12 – SEMESTER 2 – full time studies at UFV (7 dual credit courses)**

*PW—2BCKT (4); PW—2CCKT (4); PW—2DCKT (4); PW—2ECKT (4); PW—2FCKT (4); PW—2GCKT (4); PW—2HCKT (4)*

**Prerequisite:** Cook Training 12A, 12B or FDN 12 and entering Grade 12

- In partnership with University of the Fraser Valley, Sardis Secondary is offering first year Professional Cooking Level 1
- Students who wish to enter this program must contact Mrs. Frost for an interview and acceptance
- Students are responsible for transportation to UFV on testing days during semester 1
- Participants are exempt from costs of tuition, but are responsible for ancillary fees (books & Knives) within this program.

**New!**

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## FOODS STUDIES 11

MFDN 11 (4)

**Prerequisite:** Preference given to students in Grade 11 and 12

- Expand your repertoire of culinary skills and baking techniques with a focus on healthy eating and the application of principles of safe food preparation
- Discover different multicultural flavours by studying cuisines from around the world
- A practical course, with hands-on food preparation. Theoretical aspects of food preparation and food science are also studied.

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## FOODS STUDIES 12

MFDN 12 (4)

**Prerequisite:** Foods Studies 11

- Use advanced professional techniques to prepare specialty breads, pasta, international meals, appetizers, soups, candy, jams & jellies
- Learn how to improvise, balance flavours, and conjure up new dishes
- Learn how to plan meals, experiment with cooking principles and advance your baking skills
- A practical course, with hands-on food preparation. Theoretical aspects of food preparation and food science are also studied

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## TEXTILES 10

MTXT 10 (4)

**Prerequisite:** None

- An introductory course where students will be introduced to fabrics, fashion and design
- Learn basic construction techniques while completing at least three projects
- Evaluation on construction techniques of projects and demonstrated knowledge of theory
- Costs: Only for materials beyond those required to meet the learning outcomes for the course

**TEXTILES 11**

MTXT 11 (4)

**Prerequisite:** None. Basic clothing construction skills are recommended.

- Expands basic clothing construction skills and incorporate more advanced garment construction techniques
- Learn professional tips and techniques while creating a minimum of three garments
- Evaluation will be on construction techniques as well as demonstrated knowledge of theory
- Costs: Only for materials beyond those required to meet the learning outcomes for the course.

**TEXTILES 12**

MTXT 12 (4)

**Prerequisite:** Textiles 11

- Learn contemporary tailoring techniques
- Learn basic construction techniques while completing at least three projects
- Expand knowledge of fabrics, fashion and design
- Increase knowledge and ability to use more challenging/specialty fabrics
- Evaluation on construction techniques as well as demonstrated knowledge of theory
- Costs: Only for materials beyond those required to meet the learning outcomes for the course

**FASHION DESIGN 12**

YVHE-2A (4)

**Prerequisite:** Textiles 11 & 12

- Designed for students with good sewing skills and an interest in pattern construction and fashion design
- Emphasis is on flat pattern manipulation and pattern development
- A minimum of two design projects will be created and constructed
- Evaluation is based on pattern creation, garment construction techniques and demonstrated knowledge of theory
- Costs: Only for materials beyond those required to meet the learning outcomes for the course

**FAMILY STUDIES 11**

MFM 11 (4)

**Prerequisite:** None.

- Learn how to approach the future with confidence, direction and a healthy lifestyle
- Study life span developments, teen issues, communication, and growth and development from conception to 18 years
- Investigate the importance of relationships to an individual's well being throughout the life cycle
- Evaluation is on class participation, written assignments, group work, projects and tests

**FAMILY STUDIES 12**

MFM 12 (4)

**Prerequisite:** Family Studies 11

- Students will build on concepts introduced in FM 11 (the interactive nature of self, family and society)
- Studies will focus on the family (human development, family life cycles, marriage, parenting, mate selection and aging)
- Independent living, housing and interior design.
- Evaluated on class participation, written assignments, group work, projects and tests.

**HUMAN SERVICES****PSYCHOLOGY 11**

YPSYC1A (4)

**Prerequisite:** None – must have good reading skills

- Basic introduction to psychology
- Scientific study of behaviour and the mind.
- Topics include communication, prejudice and discrimination, the brain, lifespan development, sensation and perception, stress and health, sleep and dreams, hypnosis, drugs, personality and psychological disorders
- Valuable to students entering human services professions, possible avenue into human services Career Prep Program
- Evaluation will be through assignments, projects, experiments, presentations and tests.

**AP PSYCHOLOGY 12**

APSY 12 (4)

**Prerequisite:** Psychology 11 & 'B' in English 11

- Extensive reading and vocabulary
- Introductory Psychology similar to first year college - level Psychology
- Students can develop their background in the field, particularly those entering human services professions
- Topics included are: the brain, perception, consciousness, memory, intelligence, gender, emotion, personality, psychological disorders and psychotherapy
- Evaluation includes class participation, assignments, quizzes and tests, research and written reports, projects
- Optional AP Psychology exam with a fee of \$100 - \$115.

**PEER TEACHING 11 & 12**

YPA--1B (4) YSEVC12A (4)

**Prerequisite:** None. Peer Teaching 11 must be completed before Peer Teaching 12

- Valuable to students who are considering a career in teaching
- Opportunities to work with students of varying ages and levels in a pseudo professional environment
- Develop skills in areas of communication and organization
- Based on educational theories and best practices
- Peer Teaching 12 explores a deeper understanding of theory and includes more practical experience

**INTRODUCTION TO COUNSELLING SKILLS 11**

MHS--1A (4)

**Prerequisite:** none

- Course open to students in all grades however preference will be given to grade 11 students who can then use their skill set in the Counselling Skills 12 program that may develop the following year.
- Course is designed to introduce students to the basic skills necessary to establish and maintain successful helping relationships with peers, family members and other members of society
- Students will develop skills in the areas of interpersonal communication, empathic listening, questioning techniques, ethics, referrals, decision-making and problem solving, peer mediation, mentoring, suicide prevention awareness, assertiveness training, anger management, self-analysis and self-care
- Students will be introduced to skills necessary for working in Human Services: counselling, social work and teaching.
- Evaluation components: journal, various assignments, major mental health project and group work.

**STUDENT LEADERSHIP DEVELOPMENT 10, 11, & 12**

YIPS-0A (4)/YIPS-1A (4)/ YIPS-2A (4)

**Prerequisite:** a "C+" or better average and approved application

The purpose of student leadership is to:

- Inspire students to make a difference in our school, community and world
- Promote the 'columns of character' in our school: respect, integrity, perseverance, passion, empathy, accountability & achievement
- Leadership is a project-based course that requires students to actively participate in the organizing of purposeful school and community events, such as assemblies, dances, fundraisers, spirit activities, community events, etc.
- Applications are to be completed online at [www.sardisstudents.com](http://www.sardisstudents.com)



# LANGUAGES

**LANGUAGES FOR TRAVEL 11**

YLOE 11A (4)

**Prerequisite:** None

- Introduction to several significant European languages, as well as the history and culture of their associated countries
- Encourages students' interest in discovering other cultures and equips students with skills for international and intercultural travel
- Assessment is through assignments and projects as well as the students' use of the target languages in class

**INTRODUCTORY FRENCH 11**

YLOE 1B 10 (4)

**Prerequisite:** None

- Designed for students who may not have taken French in middle school
- Successful completion of this course should provide students with a level of competence that will allow them to successfully communicate in French.
- Basic grammatical structures and common vocabulary are learned
- Opportunities throughout the course for students to learn about the values and customs of French speaking people
- Valuable for anyone wishing to travel to French speaking regions or work in French environments
- Completion of this course will allow students to proceed into either French 10 or French 11

<b>FRENCH 10</b>	<i>MFR 10 (4)</i>
<b>Prerequisite:</b> French 9 ("B" standing or better is recommended)	
<ul style="list-style-type: none"> <li>• Communicative approach using lower-intermediate listening, speaking, reading and writing activities</li> <li>• Communication supported through basic vocabulary and grammatical structures</li> <li>• Identification of cultural aspects of Francophone countries and resources</li> <li>• Various assessment strategies used to evaluate student progress</li> </ul>	
<b>FRENCH 11</b>	<i>MFR 11(4)</i>
<b>Prerequisite:</b> French 10 ("B" or better in French 10 is recommended)	
<ul style="list-style-type: none"> <li>• Communicative approach using upper-intermediate listening, speaking, reading and writing activities</li> <li>• Communication supported through intermediate vocabulary and grammatical structures</li> <li>• Development of understanding of cultural aspects of Francophone countries and resources</li> <li>• Various assessment strategies used to evaluate student progress</li> <li>• This course satisfies university entrance language requirement</li> </ul>	
<b>FRENCH 12</b>	<i>MFR 12 (4)</i>
<b>Prerequisite:</b> French 11 ("B" or better in French 11 is recommended)	
<ul style="list-style-type: none"> <li>• Communicative approach using advanced listening, speaking, reading and writing activities</li> <li>• Communication supported through advanced vocabulary and grammatical structures</li> <li>• Analysis of cultural aspects of Francophone countries and resources</li> <li>• Various assessment strategies used to evaluate student progress</li> <li>• This course satisfies graduation requirements for UBC's Arts, Music &amp; Fine Arts programs. For complete info regarding degree requirements, go to <a href="http://students.arts.ubc.ca/advising/degree-requirements/">http://students.arts.ubc.ca/advising/degree-requirements/</a> see "2) Language</li> </ul>	
<b>INTRODUCTORY GERMAN 11</b>	<i>MBGE 11 (4)</i>
<b>Prerequisite:</b> None.	
<ul style="list-style-type: none"> <li>• Communicative approach using introductory listening, speaking, reading and writing activities</li> <li>• Communication supported through introductory vocabulary and grammatical structures</li> <li>• Identification of cultural aspects of German-speaking countries and resources</li> <li>• Various assessment strategies used to evaluate student progress</li> </ul>	
<b>GERMAN 11</b>	<i>MGE 11 (4)</i>
<b>Prerequisite:</b> Introductory German 11 or German 10 ("B" standing or better is recommended)	
<ul style="list-style-type: none"> <li>• Communicative approach using intermediate listening, speaking, reading and writing activities</li> <li>• Communication supported through intermediate vocabulary and grammatical structures</li> <li>• Development of understanding of cultural aspects of German-speaking countries and resources</li> <li>• Various assessment strategies used to evaluate student progress</li> <li>• This course satisfies university entrance language requirement</li> </ul>	
<b>GERMAN 12</b>	<i>MGE 12 (4)</i>
<b>Prerequisite:</b> German 11 ("B" or better in German 11 is recommended)	
<ul style="list-style-type: none"> <li>• Students have option of taking the "Vergleichsarbeit A2" test as part of this course; worth an additional 4 credits (USPRA 11A)</li> <li>• Communicative approach using advanced listening, speaking, reading and writing activities</li> <li>• Analysis of cultural aspects of German-speaking countries and resources</li> <li>• Various assessment strategies used to evaluate student progress</li> <li>• This course satisfies graduation requirements for UBC's Arts, Music &amp; Fine Arts programs. For complete info regarding degree requirements, go to <a href="http://students.arts.ubc.ca/advising/degree-requirements/">http://students.arts.ubc.ca/advising/degree-requirements/</a> see "2) Language</li> </ul>	
<b>INTRODUCTORY SPANISH 11</b>	<i>MBSP 11 (4)</i>
<b>Prerequisite:</b> None.	
<ul style="list-style-type: none"> <li>• Communicative approach using introductory listening, speaking, reading and writing activities</li> <li>• Communication supported through introductory vocabulary and grammatical structures</li> <li>• Identification of cultural aspects of Hispanic countries and resources</li> <li>• Various assessment strategies used to evaluate student progress.</li> </ul>	
<b>SPANISH 11</b>	<i>MSP 11 (4)</i>
<b>Prerequisite:</b> Introductory Spanish 11("B" standing or better in Introductory Spanish 11 is recommended) or Spanish 10	
<ul style="list-style-type: none"> <li>• Communicative approach using intermediate listening, speaking, reading and writing activities</li> <li>• Communication supported through intermediate vocabulary and grammatical structures</li> <li>• Development of understanding of cultural aspects of Hispanic countries and resources</li> <li>• Various assessment strategies used to evaluate student progress</li> <li>• This course satisfies university entrance language requirement</li> </ul>	

**SPANISH 12**

MSP 12 (4)

**Prerequisite:** Spanish 11 ("B" standing or better in Spanish 11 is recommended)

- Communicative approach using advanced listening, speaking, reading and writing activities
- Communication supported through advanced vocabulary and grammatical structures
- Analysis of cultural aspects of Hispanic countries and resources
- Various assessment strategies used to evaluate student progress
- This course satisfies graduation requirements for UBC's Arts, Music & Fine Arts programs. For complete info regarding degree requirements, go to <http://students.arts.ubc.ca/advising/degree-requirements/> see "2) Language"

**FRENCH IMMERSION**

*Students must successfully complete the following six courses in order to receive their bilingual graduation diploma.*

**FRANÇAIS LANGUE 10**

FFRAL 10 (4)

**Prerequisite:** Français Langue 09

- Students must be prepared to speak French at all times within the classroom setting
- Focus on spontaneous, prepared use of French language, grammar study, & the creation & refinement of diverse communication
- Builds on strategies to negotiate meaning in a variety of documents
- Evaluation includes classroom activities, tests, projects & participation in French, as well as final oral exam worth 10%

**FRANÇAIS LANGUE 11**

FFRAL 11 (4)

**Prerequisite:** Français Langue 10

- Students must be prepared to speak French at all times within the classroom setting
- Focus on a refinement of spontaneous and prepared use of the French language; organizing, researching and communicating ideas; developing strategies to improve comprehension
- Includes grammar review, and literature study and analysis
- Evaluation includes classroom activities, tests, projects & participation in French, as well as final oral exam worth 25%

**FRANÇAIS LANGUE 12**

FFRAL 12 (4)

Provincial Exam (40% of Final Mark) required for fulfillment of Ministry Bilingual Dogwood

**Prerequisite:** Français Langue 11

- Students must be prepared to speak French at all times within the classroom setting
- Focus on a refinement of spontaneous and prepared use of the French language; organizing, researching and communicating ideas; developing strategies to improve comprehension
- Includes grammar review, and literature study and analysis
- Course mark includes extensive oral practice, grammar review & practice writing, as well as a study of various Francophone texts

**SCIENCES HUMAINES 10**

FSCH 10 (4)

**Prerequisite:** Sciences Humaines 9 (C+ standing or better recommended. This course is taught in French)

- Covers a range of topics (in Canadian History) dating before Confederation up to 1911, Geography and current events
- Major topics include pre and post Confederation, Metis uprising in the prairie provinces, and the Chinese involvement in the building of the CPR

**SCIENCES HUMAINES 11**

FSCH 11 (4)

Provincially Examinable Course (20% of final mark)

**Prerequisite:** Sciences Humaines 10 - a C+ standing or better recommended. This course is taught in French.

- Covers some components of Canadian government, Canadian history from 1914 – 2000 and human Geography
- Topics include Canadian involvement in the following: World War I and II, 'Roaring 20's', the Depression % the Cold War, Global Environment, and Canada's role in World affairs

**CIVILIZATIONS COMPARÉES 12**

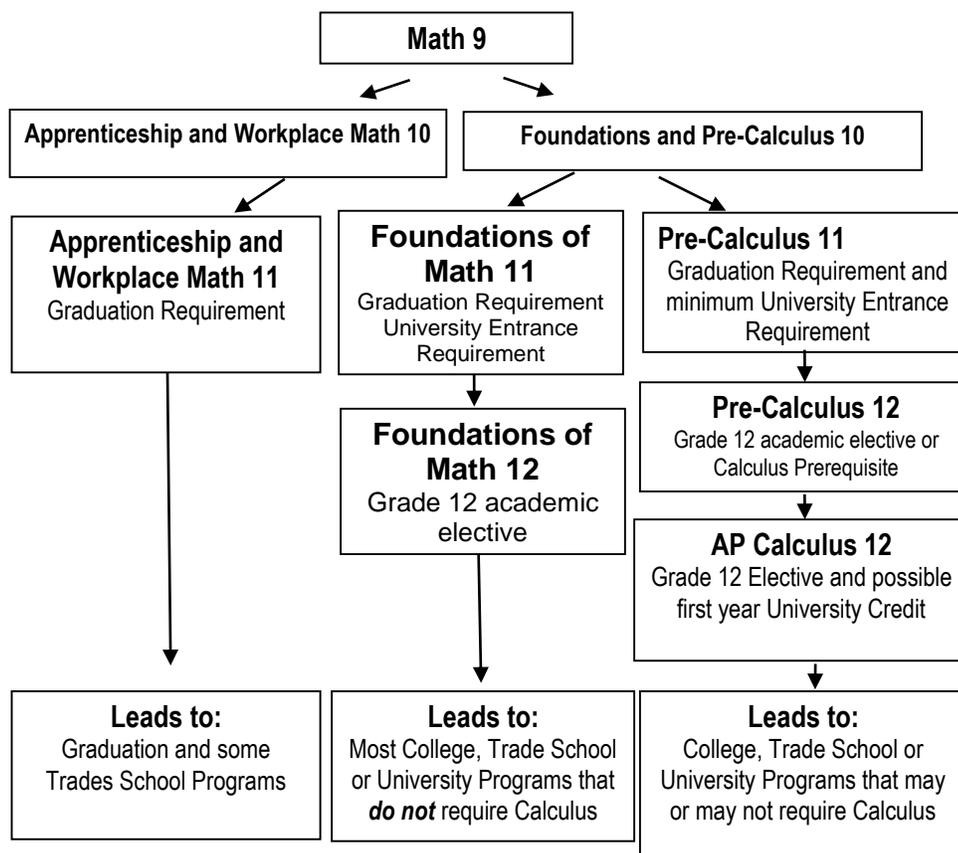
FCCNF 12 (4)

**Prerequisite:** Sciences Humaines 11 (C+ standing or better recommended)

- A study of world cultures that enables students to develop an appreciation for diversity within and among cultures
- Music, literature, art, architecture, performing arts, cultural migrations & evolution of language are examples of domains frequently studied in this course as main catalysts for a civilization's beliefs, customs and development through history
- Taught in French, and focuses primarily (not exclusively) on the civilizations included in the Francophonie



# MATHEMATICS



The Mathematics Department currently offers three math programs for grade 11 and 12: Apprenticeship & Workplace Mathematics 11; Foundations of Mathematics 11 & 12; and Pre-Calculus Math 11 & 12. At the grade 10 level, the Math Department offers Foundations & Pre-Calculus 10 and Apprenticeship & Workplace Math 10. Apprenticeship & Workplace Math is designed for students who plan to pursue a career in a trade or plan on entering the workplace directly upon graduation. Foundations of Math is designed for students planning to pursue a post-secondary program that does not require Calculus. Pre-Calculus Math is designed for students planning to pursue a post-secondary program that does require Calculus. ***The Math Department strongly advises students to research post-secondary programs that they are interested in before choosing any math program***

## APPRENTICESHIP AND WORKPLACE MATHEMATICS 10

MAWM10 (4)

Provincially Examinable Course (20% of final mark)

**Prerequisite:** Math 9

- Designed for students who plan to pursue a career in some trades and for students who have difficulty with the more abstract concepts found in Foundations & Pre-Calculus Math 10
- Topics covered include the metric and imperial systems, the measurement of 2-D & 3-D objects, geometry, trigonometry and the basics of income, spending and debt
- Students taking this course will progress to Apprenticeship and Workplace Mathematics 11.
- **Consult your Math teacher before selecting. Many university programs require Foundations of Math 10 as an entrance requirement.**

## FOUNDATIONS AND PRE-CALCULUS MATH 10

MFMP 10 (4)

Provincially Examinable Course (20% of final mark)

**Prerequisite:** Math 9

- Topics include Radicals, Coordinate Geometry, Functions and Relations, Linear Functions, Polynomial Operations, Quadratics Functions, Trigonometry, and Measurement
- Students taking this course can progress to either Foundations of Math 11 or Pre-Calculus Math 11 with teacher recommendation.

**FOUNDATIONS OF MATHEMATICS AND PRE-CALCULUS 10 HONOURS**

MFMP 10H (4)

Provincially Examinable Course (20% of final mark)

**Prerequisite:** Math 9 with teacher recommendation

- For Course Topics see Foundations Math 10
- Course will be enhanced with additional problem-solving activities
- Students taking this course are being prepared for Pre-Calculus 11, 12 and AP Calculus 12

**APPRENTICESHIP AND WORKPLACE MATHEMATICS 11**

MAWM 11 (4)

**Prerequisite:** Apprenticeship and Workplace Mathematics 10

- Practical math for students who experience difficulty with more abstract concepts found in Foundations of Math 11
- Topics include slope & ratio change, graphical representations, surface area, volume, capacity, trigonometry, scale representations, financial services and personal budgets
- Consult your current Math teacher before selecting this course. Many university programs require Pre-Calculus 11 or Foundations of Math 11 as an entrance requirement.
- Evaluation according to mastery of the criteria of the course as defined by the Ministry of Education

**FOUNDATIONS OF MATHEMATICS 11**

MFOM 11 (4)

**Prerequisite:** Foundations and Pre-Calculus Math 10**Who is this course for?** This course is intended for students who plan to take a College or University program that does not require Calculus (i.e. Arts, Humanities)

- Topics include Measurement, Geometry, Logical Reasoning, Statistics, and Relations and Functions
- A Graphing Calculator (T1-83 or 83 Plus are recommended) is essential for the successful completion of this course
- Evaluation according to mastery of the criteria of the course as defined by the Ministry of Education
- A comprehensive final examination worth 30% of the student's final mark
- This course is a prerequisite for Foundations of Mathematics 12

**FOUNDATIONS OF MATHEMATICS 12**

MFOM 12 (4)

**Prerequisite:** Foundations of Mathematics 11**Who is this course for? -** Students planning to take a College/University program not requiring Calculus (Arts, Humanities)

- Topics include Financial Mathematics, Logical Reasoning, Probability, and Relations and Functions
- A Graphing Calculator (T1-83 or 83 Plus are recommended) is essential for the successful completion of this course
- Evaluation according to mastery of the criteria of the course as defined by the Ministry of Education
- A comprehensive final examination worth 30% of the students final mark

**PRE-CALCULUS 11**

MPREC 11 (4)

**Prerequisite:** Foundations and Pre-Calculus Math 10**Who is this course for?** This course is intended for students who plan to take a College or University program that requires Calculus (i.e. Sciences, Engineering, Business ...) and some trades programs

- Topics include Algebra, Trigonometry, and Relations and Functions
- A Graphing Calculator (T1-83 or 83 Plus are recommended) is essential for the successful completion of this course
- Evaluation according to mastery of the criteria of the course as defined by the Ministry of Education
- A comprehensive final examination worth 30% of the student's final mark

**PRE-CALCULUS 12**

MPREC 12 (4)

**Prerequisite:** Pre-Calculus 11**Who is this course for?** This course is intended for students who plan to take a College or University program that requires Calculus (i.e. Sciences, Engineering, Business ...) and some trades programs

- Topics include Trigonometry, Relations and Functions, and Combinations and Permutations.
- A Graphing Calculator (T1-83 or 83 Plus are recommended) is essential for the successful completion of this course
- Evaluation according to mastery of the criteria of the course as defined by the Ministry of Education
- A comprehensive final examination worth 30% of the students final mark

**AP CALCULUS 12 AB**

ACAL 12 (4)

**Prerequisite:** Pre-Calculus Math 11 and should have completed or be taking Pre-Calculus Math 12 concurrently (Sem 1).

- This course is equivalent to 1st year calculus at U.B.C. or S.F.U.
- Credit given at major universities if a sufficiently high score is achieved on the optional AP exam written in May (cost \$100 - \$115).
- Topics include First and Second Derivatives, Implicit Differentiation, Curve Sketching, Integration and Problem Solving
- This course is very beneficial for students going into mathematics or science related fields
- This course may also benefit students requiring only one university level calculus course or wishing to make their first year easier
- If you have any questions, please contact Mr. Balsillie or Mr. Chirico.

**UNIVERSITY PREP MATH**

YMIS 2B (4)

- This course is designed to cover the concepts that are left out of the Pre-Calculus stream of Mathematics that are important prerequisites for many university level math courses
- Concepts to be covered include geometry, probability, statistics, logic and reasoning, and linear algebra
- This course is a high level mathematics course designed for those who have completed Pre-Calculus 12 and/or are interested in attending Canadian and American universities.

**SAT PREP ENGLISH/MATH 12**

YMIS 2A (4)

- Prepares students for the SAT exam
- Students will enrich their vocabulary, critical thinking, critical reading and technical writing skills and math
- Students who intend on writing the SAT (Scholastic Aptitude Test) should take this course; it's also useful for those considering the LSAT and TOEFL exams
- Open to Gr 10,11 & 12 students as an elective
- Students will encounter a mixture of resources, including quizzes, readings, and practice exams; specific test-taking skills will be developed.

**MUSIC****CHORAL MUSIC 10, 11, 12: CONCERT CHOIR**

MMCC 10 (4)/MCMCC 11 (4) MCMCC 12 (4)

**Prerequisite:** None

- Choir is a performance course – all performances are mandatory
- Students will rehearse a wide variety of music
- Assessment through participation, performance, assignments and effort

**MUSIC 10: CONCERT BAND**

MMCB 10 (4)

**Prerequisite:** Band 9 or permission of the instructor

- Performance course for young musicians who would like to continue developing musical ability on their chosen instrument
- Some co-curricular rehearsals may be required
- Learning will be assessed through performance tests, class performance, class participation, attendance, assignments, concerts, practising, general effort and all performances are mandatory
- Students are required to provide their own instrument or rent an instrument from a music store

**INSTRUMENTAL MUSIC 11, 12: CONCERT BAND**

MIMCB11 (4)/MIMCB 12 (4)

**Prerequisite:** Previous level of Band or permission of instructor

- A performance course for the student who would like to continue to develop abilities on their chosen instrument
- Students may be required to attend co-curricular rehearsals
- Assessment through performance tests, class participation, extra rehearsals, concerts, class performance, attendance, assignments, practising, and general effort. All performances are mandatory
- Students will be required to provide their own instrument or rent an instrument from a music store

**DRUMLINE – PERCUSSION 10, 11, 12**

YVPA-0A (4)/YVPA-1A (4)/YVPA-2A (4)

**Prerequisite:** Participation in another band/choral ensemble or permission of instructor

- Meets outside the timetable – Mondays at lunch, Thursdays 2:45-4:30 p.m.
- Recommended for all percussionist musicians both experienced and beginners
- “Step by step” approach to wide variety of techniques used in a contemporary drumline percussion ensemble
- Students receive instruction on snare drum, tenors, bass drum and cymbals
- Topics include: stick/mallet choices, grips, sound production, stroke techniques, dynamic control, proper warm-up routines, listening responsibilities and timing/balance
- Attention given to both the playing and marching aspects of this unique style of performance

**MUSIC COMPOSITION AND TECHNOLOGY 11 & 12**

MMCT 11(4)/MMCT 12(4)

**Prerequisite:** None

- On-going writing of musical compositions
- Includes theory, history, production of sound, arranging, ear training
- Making musical instruments
- Assessment through projects, assignments and performances

**JAZZ BAND 10, 11 & 12***MMJB 10(4)/MIMJB 11(4)/MIMJB 12(4)***Prerequisite:** Audition

- Provides students with the opportunity for artistic achievement and enrichment through the study and performance of high quality, challenging and stylistically diverse jazz music
- Creates an atmosphere of musical and personal growth through commitment to high standards of respect and cooperation for members of the ensemble, instructors, facilities, musical materials, and the rehearsal process
- Create improvisation solos in a performance setting, learn funk, fusion, swing, ballad rock and other contemporary forms of jazz band and combo music. Jazz History is taught alongside performance skills
- Performances are mandatory. Students are required to provide own instrument or rent instrument from a music store

**INSTRUMENTAL MUSIC 10, 11, 12: ORCHESTRAL STRINGS***MMOS 10 (4)/MIMOS 11(4)/MIMOS12 (4)***Prerequisite:** At least one year of musical instruction required.

- Designed to introduce students to the orchestral strings (violin, viola, cello, and double bass) and to enhance the skills of students who have previous experience with orchestral strings
- Assessment through attendance, class participation, performance tests, assignments, concerts, and general effort
- All performances are mandatory
- Students will be required to provide their own instrument or rent from a music store - a string rental night will occur in early Sept.

**INSTRUMENTAL MUSIC 10, 11 & 12: GUITAR***MMGR 10 (4)/MIMG 11 (4)/MIMG 12 (4)***Prerequisite:** None

- Develop skills in chording, finger-picking and writing
- Attention given to theory and playing as an ensemble
- Will learn to play contemporary popular music
- Assessed through tests, performances and participation

**VOCAL JAZZ 10, 11, 12***MMVJ 10 (4)/MCMJV11 (4)/MCMJV12 (4)***Prerequisite:** Audition

- Performance course with students developing vocal skills using a variety of music predominantly in the jazz idiom
- Assessment through class participation, attendance, concerts, assignments, performance testing and general effort - all performances are mandatory



# PERFORMING ARTS

**DANCE PERFORMANCE 10 & 11***MDNP 10 (4)/MDNP 11 (4)***Prerequisite:** None

- Introduction to dance, movement, mime and the multi-cultural, historical and social contexts of dance
- Equal emphasis given to perceiving, responding, reflecting, creating, performing & communicating aspects of the arts
- Elements of movement will incorporate the input of fitness, health and safety in dance technique and apply to choreography
- Allows the student to complete the 80 hours physical activity graduation transitions requirement
- There is a mandatory final performance

**DANCE PERFORMANCE 12***MDNP 12 (4)***Prerequisite:** Dance Performance 10 or 11 recommended

- Further exploration into dance, movement, mime & the multi-cultural, historical and social contexts of dance
- Equal emphasis given to perceiving, responding, reflecting, creating, performing & communicating aspects of the arts
- Demonstration of the elements of movement incorporated into fitness and health and safety in dance technique, and application to choreography
- Create/learn choreography and teach it to peers
- There is a mandatory final performance
- Allows the student to complete the 80 hours physical activity graduation transitions requirement

**CHOREOGRAPHY 12***MDNC 12 (4)***Prerequisite:** Dance Performance 10, 11 & 12 and permission of instructor

- This course runs independently within a DNP 10,11 or 12 class
- Focus on exploring, manipulating and describing the elements and principles of movement
- Practice sequencing, staging, creative process, principles of design while working through a range of choreographic forms and genres
- Acquire & refine creative, collaborative & leadership skills through practical teaching experiences both within the class & in other venues
- Course is individualized. Final portfolio builds on student's preferred genre of dance

**DRAMA 10: GENERAL**

MDRG 10 (4)

**Prerequisite:** Previous drama an asset, but not required

- Exploring, scripting, characterization, mime, dance, improvisation, role playing, sense, story telling, choral speaking, cooperative game playing and more exploration
- Ongoing participation, written reflection, personal evaluation

**THEATRE PERFORMANCE 11 & 12: ACTING**

MTPA 11 (4)/MTPA12 (4)

**Prerequisite:** Drama 10 or permission from instructor.

- Develop a deeper understanding of theatre arts through the study of theatrical skills of history and styles of acting.
- Further emphasis on honing skills & tools needed to develop increased competency in acting and stage performance.
- Helpful to students whose career choices will lead them to areas such as: Public Speaking, Journalism /Broadcasting, Publications, English Literature and Law.
- Evaluation based on: learning the craft. (commitment, attendance in class and at rehearsals; practice learning lines, rehearsing, and character development; terms and definitions - learning and using terms related to acting and performance); knowledge acquisition (rehearsing, learning lines); and development and progress. Each term students' work will be assessed as to their progress in understanding and performance. Student journal (charting your own progress) 20%.

**FILM & TELEVISION 11**

MDFT 11 (4)

**Prerequisite:** None

- Focus is the genre of the drama.
- Student groups experience the whole process of film making (in front of & behind the camera), as they produce a 7 to 8 minute video
- Included is the original story concept, development of a treatment, story-board and the script
- Pre-production looks at casting, blocking, shot lists, and the development of a rehearsal and shooting schedule, while addressing the logistics of locations, costumes and props. Production involves directing, acting and filming
- In post-production, video footage is logged and edit decisions lists (EDLs) created
- Everything comes together by way of computer based non-linear editing
- At appropriate times during the course, the use of the camera, and audio and lighting fundamentals are taught, along with screen language and some basic acting techniques, so that the students are able to successfully film and deliver believable performances. Evaluated on project work, tests, equipment management and self-management

**FILM & TELEVISION 12**

MDFT 12 (4)

**Prerequisite:** Film and Television 11

- Focus will be to explore various genres of film and television
- Select stories to tell and develop within different genres and develop treatments, storyboards, and scripts that illustrate their grasp of screen language and the utilization of the artistic components of film and television
- After compiling a shot list and filming, students will use non-linear computer based editing to produce their films
- Evaluation on project work, production work, equipment management, and self-management

**BROADCAST MEDIA PRODUCTION 12**

YCCT-2C (4)

**Prerequisite:** Previous film, audio or lighting an asset, but not required

- A production course; students will apply the knowledge, skills and attitudes taught in class to focus on the areas of film, audio & lighting
- Learn how to provide appropriate technical support for live productions in the form of audio, lighting design and film, by becoming production assistants to some live productions within the school
- During some live productions, the students will become the technical crew, operating the various items of sound, lighting and film equipment that has been incorporated into the show
- Evaluation on project work, production work, equipment management and self-management

**THEATRE PRODUCTION 11**

MTPR 11 (4)

**Prerequisite:** None

- Participation in all aspects of technical theatre (stage management, lighting design and operation, set design and construction, sound engineering, costume design and wardrobe management, makeup, properties construction and management, and stage crew responsibilities) working towards a major production
- Technical work on dance, theatre, music and other school presentations is also expected
- Evaluation: 50% project work, test scores & assignment completion and 50% attitude (dependability, reliability & work habits)

**THEATRE PRODUCTION 12: TECHNICAL THEATRE**

MTPRT 12 (4)

**Prerequisite:** Theatre Production 11

- A continuation of the drama support program established at the grade 11 level
- Requirement: to develop a concentration in three or more of the following areas: stage management, lighting, sound, costume, makeup, set design, set construction, properties design & construction, stage crew and wardrobe
- Evaluation: 50% project work, test scores & assignment completion and 50% for attitude (dependability, reliability & work habits)

**THEATRE PRODUCTION 12: THEATRE MANAGEMENT***MTPRM 12 (4)***Prerequisite:** Theatre Production 12: Technical Theatre

- A continuation of the drama support program established in TPRT 12: Technical Theatre.
- Students will take on roles of management as they work with theatre production crews in the areas of technical theatre: set design and construction, properties, sound, lighting, costume, makeup, stage management & tech crew
- Evaluation: 50% project work, test scores & assignment completion and 50% attitude (dependability, reliability and work habits).

**THEATRE PRODUCTION 11 & 12: PERFORMANCE***MRR-10 (4) / MFNAS 11 (4)/MTPRM 12 -A(4)***Prerequisite:** **Audition** - open to Grades 10-12. Theatre Production 11/12 are advanced multi-art courses for students who are interested in live musical theatre performance

- Audition Requirements:**
1. **Must be prepared to sing, dance and act**
  2. **Must prepare a one minute monologue**
  3. **Must prepare a song with accompaniment**

**Audition:** T.B.A. - Please call Ms. Guy for appointment or sign up on the Sardis Theatre Door.

- Learn acting, singing, dancing and/or movement as it applies to the year's major musical production
- In addition to rehearsing the production, students may be expected to do two or three reading and writing assignments and a term project.  
Evaluation: performance and rehearsal commitment
- A daily after school class during Semester 1
- This course will be added to the student's timetable by the teacher following the audition phase in late spring



# PHYSICAL EDUCATION

**PHYSICAL EDUCATION 10 & 11***MPE 10 (4)/MPE 11 (4)***Prerequisite:** A passing grade in the previous Physical Education course

- Designed to assist students in the development of physical fitness, the mastering of particular recreational skills and the knowledge necessary to pursue a healthy lifestyle
- An integral part of the total educational process as skilled leadership utilizes selected physical activities as a primary means for contributing to a student's physical, intellectual, emotional and social development needs
- All activities will be approached from a participation viewpoint, learning what is needed to be successful in a recreational setting
- Students will have input into what activities they would like to see in class. Evaluation is based on activities and criteria developed from the learning outcomes as stated in the provincial core P.E. curriculum
- PE 10 is a required course for graduation. PE 11 allows the student to complete the 100 hour DPA requirement for gr 11 or 12

**PHYSICAL EDUCATION 10 ALTERNATE DELIVERY***MPE 10A (4)*

- This course is designed to help those students receive PE 10 credit that would normally choose a Distance Education route
- Designed to assist in the development of physical fitness skills and knowledge to pursue a healthy lifestyle in a classroom setting
- Students will research & report on aspects of physical fitness to include but not limited to nutrition, psychology and conditioning
- Student will receive basic First Aid training. Students will be required to maintain a weekly activity log
- The course involves students developing individualized goals and demonstrate knowledge and implement a training program

**PHYSICAL EDUCATION 12***MPE 12 (4)***Prerequisite:** A passing grade in Physical Education 11

- A course for students interested in pursuing physical education and recreation; team sports & minor games component included
- Outcomes of Physical Education 11 as well as classroom assignments
- PE 12 allows the student to complete the 100 hour physical activity requirement for Grad Transitions

**PE STRENGTH & CONDITIONING 11 & 12***YHRA-1B (4)/YHRA-2B (4)***Prerequisite:** A 'B' grade in the previous Physical Education course and a high level of personal motivation.

- Designed to prepare students to achieve short term strength & conditioning goals as part of lifelong active lifestyle
- This course involves students in developing individualized goals and implementing the training program to succeed.
- Evaluation: Training program development 25%; Training journal entries 25%; Practical participation 50%
- This course allows the student to complete the 100 hour physical activity graduation transitions requirement

**HEALTH AND FITNESS 11**

YHRA-1A (4)

**Prerequisite:** Science 10 & Physical Education 10

- Combines daily physical activity (cardio, strength & flexibility) with the study of human biology, nutrition & importance of a healthy lifestyle
- Students will learn proper/safe techniques for all strength training exercises using a variety of equipment and exercise styles
- Students will participate in a variety of fitness classes (aerobics, step, kickboxing, bootcamp, pilates, yoga)
- Students will develop a well-balanced meal plan and a complete strength training plan as major projects
- This course is very adaptable so is beneficial for every fitness level
- Allows the student to complete the 100 hour physical activity requirement for grade 11 or 12

**HEALTH AND FITNESS 12**

YHRA-2A (4)

**Prerequisite:** Health & Fitness 11 and permission from instructor

- Course combines daily physical activity (cardio, strength & flexibility) with the study of exercise physiology
- Students will complete the YMCA Basic Theory Course (Healthy Lifestyles, Anatomy and Physiology, Movement Mechanics, Principles of Training, and Exercise Analysis and Design)
- Suitable for all students with a desire to increase their own personal fitness level, and those who wish to pursue a career in fitness training, massage therapy, physiotherapy and coaching
- Allows the student to complete the 100 hour physical activity requirement for grade 11 or 12

**PE 10, 11, & 12 SOCCER**

PE 10S (4)/PE 11S (4)/PE 12S (4)

**Prerequisite:** application needs to be submitted

- PE 10 Soccer fulfills the prescribed graduation requirement for Physical Education 10
- Designed for high level athletes in grades 10-12 who wish to continue their training regime through a sport specific program.
- This course will assist students in building soccer specific skills such as: individual skills, team formations, tactical awareness, supplemented with plyometrics, sport specific weight training, agility and core training, aerobic and anaerobic training
- No extra tuition fees are charged for PE Soccer.

**PE LEADERSHIP 10, 11, & 12**

YLRA-0A (4)/YLRA-1A (4)/YLRA-2A (4)

**Prerequisite:** A "B" grade or higher in previous Physical Education Course

- Designed to introduce and involve students interested in coaching, sports administration, officiating (intra-murals), careers in the athletic and recreational disciplines.
- Deals with the topic of leadership as it relates to leisure time activities, and as a career in athletics.
- Group activities include: performance oriented activities (including soccer, basketball, volleyball, touch football and floor hockey) and the introduction of leisure oriented activities such as broomball, bowling, & golfing
- Students are provided with the opportunity to organize special events, such as the Terry Fox Run, Alumni Basketball Game, Strongest Man Competition and Intramurals. Students will complete and become certified in the St. John's Safety Oriented First Aid Program and may complete a coaching theory component
- Participation in the following areas: DPA; Special events; Intramurals; Administration; First aid; Coaching & teaching
- PE Leadership 11/12 allows the student to complete the 100 hour physical activity graduation transitions requirement

**PE HOCKEY SKILLS & THEORY 10, 11, 12 (2 blocks in timetable) MPE 10H (4), MPLAN 10H (4), YLRA 11/12B (4), YLRA 10C/11C/12C (4)****Prerequisite: Application & Tuition Fee:**

Hockey skills development program for girls and boys who have a passion for hockey

- Skill development and hockey specific training (on and off ice) include: individual (stick, possession, passing, power skating, shooting, checking) and team (play, transition, special teams) hockey offensive and defensive skills; agility; balance; cardio; muscular strength and endurance; nutrition; and leadership
- Academic support and learning style assessment components of the program.
- Viable post-secondary planning: including NCAA Division I & II, CIS, Canadian College
- Head Coach: Jeff Grenier
- PE 10 and/or Planning 10 course requirements may be met within the program
- Application for download at [www.sardissecondary.ca](http://www.sardissecondary.ca)
- Students will demonstrate athletic, academic and personal growth

**PE GOLF ACADEMY 10, 11, 12** (2 blocks in timetable)*MPE 10G/11G/12G (4), MPLAN 10G (4), YLRA 10D/11D/12D (4)***Prerequisite: Application and Tuition Fee**

The Sardis Golf Academy will help student athletes personalize their learning by providing them with a tremendous opportunity in meeting their athletic and educational goals.

- Improve skill level of every Academy participant
- Enhance functional physical development through continuous fitness programming
- Increase participant awareness of the benefits of nutrition on sport performance
- Provide the student and parent/guardian with evaluations of personal performance
- Class is held at Chilliwack Golf & Country Club. Participants are required to purchase a Junior Membership at Chilliwack G&CC.
- Head instructor: Tom MacIsaac
- Application for download at [www.sardissecondary.ca](http://www.sardissecondary.ca)

**PE BASEBALL 10, 11, 12** (2 blocks in timetable)*MPE 10B/11B/12B (4), YHRA-0C/1D/2D (4)***Prerequisite: C+ or higher in previous Physical Education course. Tuition Fee to be charged**

- Designed to support and encourage students to develop their baseball skills and sport-specific conditioning
- Students will demonstrate athletic, academic and personal growth
- Students learn the following course components: benefits of nutrition for sport performance; offensive and defensive skills; life skills and time management; knowledge training (ie. visualization, application of rules and biomechanics of baseball skills)
- Interested athletes should register for this course through regular course programming, download application from SSS website.
- Head Instructor: Alison Fitzsimmons

**HEALTH SERVICES 11***YHRA-1C (4)***Prerequisite: Physical Education 10**

- A practical course for students interested in any Health Services job (from doctor to fitness trainer to firefighter)
- Topics include resuscitation, first aid, fitness theory, sports injuries, different environments, and introduction to professions
- Certification in CPR 'C' and SFA is available within the course; and materials from athletic taping, sports first aid, concussion management and fitness theory are covered.

**HEALTH SERVICES 12***YHRA-2C (4)***Prerequisite: Health Services 11 / Instructor Permission**

- Students explore a specific Health Services career that they may be interested in (from doctor to fitness trainer to firefighter)
- Topics: advanced resuscitation (CPR-HCP), first aid scenarios, in-depth fitness theory & advanced sports injury management
- Hands-on experience out of class time is an expectation for this course, either with an athletic team, or through work/volunteer/job shadow experience
- Certification in CPR 'HCP' and recertification in SFA is available within the course; and additional materials from athletic taping, sports first aid, concussion management and fitness theory are covered.

**SCIENCE 10***MSC 10 (4)*

Provincially Examinable Course (20% of final mark)

**Prerequisite: Science 9**

- Core topics: Processes of Science, Sustainability of Ecosystems, Chemical Reactions and Radioactivity, Motion, Plate Tectonics
- Typical activities: lectures, projects, demonstrations and labs
- Evaluation: 60% exams, 20% quizzes and 20% labs (may vary by teacher)

**SCIENCE 10 HONOURS***MSC 10H (4)*

Provincially Examinable Course (20% of final mark)

**Prerequisite: Science 9**

- Students will be selected for admission based upon Science 10 Honours Application Process
- Core topics: processes of science, sustainability of ecosystems, chemical reactions and radioactivity, motion, plate tectonics
- Expanded Honours Topics: Honours students will cover more advanced topics in each of the sections of Science 10 in addition to numerous enrichment activities such as field trips and guest speakers
- Typical activities: laboratory experiments, lectures, demonstrations, assignments, field trips and guest speakers
- Evaluation: 60% exams, 20% quizzes, 10% labs and 10% assignments (may vary by teacher)

**SUSTAINABLE RESOURCES AGRICULTURE 11 & 12***MSR 11 (4)/MSRA 12 (4)***Prerequisite:** Science 10 or teacher recommendation. Agriculture 11 must be completed before Agriculture 12

- General introduction to modern agriculture in B.C., concentrating on local agriculture in the Fraser Valley
- Topics include intro to agriculture, fisheries, forestry, mining, energy
- Activities are lectures, labs, project work (hands-on work in the greenhouse and barn), field trips and guest speakers
- Students with plant or animal allergies should check with the instructor

**SCIENCE & TECHNOLOGY 11***MSCT 11 (4)***Prerequisite:** Science 10 or instructor permission

- This course is designed to be practical, hands-on and a fun approach to Science
- Range of students varies: those that struggled with Sc. 10, like to build things, and/or wish to increase their GPA
- Much of the time will be used to design, build and test self-constructed prototypes so students have to be willing to learn how to use different tools and materials
- Content: Technology, Space, Transport, Forensics

**BIOLOGY 11***MBI 11 (4)***Prerequisite:** Science 10 with a 'C'

- Survey course of the 5 Kingdoms found in nature, viruses, classification and evolution
- Lab based course with labs worth 30% of the course
- Dissection of earthworms, crayfish, frogs, and others
- Evaluation is based on tests, labs, homework and a final exam

**BIOLOGY 12***MBI 12 (4)***Prerequisite:** Biology 11 with a 'C+'

- Topics include Human Physiology (Digestion, Cardiovascular, Respiratory, etc.), cytology and Biochemistry
- Evaluation is based on tests/quizzes (90%) and assignments (10%)
- Students should have strong reading and comprehension skills

**ENVIRONMENTAL BIOLOGY 11 / ECOTOURISM 11***MBI 11 (4) MTRM 11 (4)***Combo course – 2 concurrent blocks in the timetable****Biology Prerequisite:** Science 10 with a minimum of 67%, and a willingness to participate in outdoor activities

- Students will get credit for completing Biology 11 because we will survey the 6 kingdoms found in nature, as well as viruses, classification and evolution
- Since this course is taught with Ecotourism 11, there will be a larger emphasis on local plants and animal, as well as environmental issues and conservation
- Students must be willing to participate (10% of mark) in a large number of active fieldtrips including paddleboarding, hiking/trekking, camping, snowshoeing and a variety of other cultural activities
- Labs are worth 30% of the course, tests and quizzes are worth 60%. Dissections include earthworms, crayfish and frogs, amongst other fauna. Evaluation will be based on tests, labs, homework and a final exam

**Ecotourism Prerequisite:** Willingness to participate in activities outside of the school timetable

- Introduction to the principles of ecotourism and the exciting opportunities in Chilliwack, BC and globally
- Explore ecotourism through paddleboarding, hiking/trekking, camping, snowshoeing and a variety of cultural activities
- Since this course is combined with Environmental Biology 11, students will also learn about the biological processes that are happening around them when they are in nature
- Evaluation is based on participation, skill proficiency, assignments, projects and tests

**CHEMISTRY 11***MCH 11 (4)***Prerequisite:** Science 10 and Foundations & Pre-Calculus Mathematics 10 with a C+ average or higher

- Recommended that Pre-Calculus 11 be taken concurrently with this course. Course content is demanding
- Core Topics: Introduction to Chemistry; Atoms, Molecules, and Ions; Mole Concept; Chemical Reactions; Atomic Theory; Solution Chemistry; Organic Chemistry
- Typical Activities: Laboratory experiments, lectures, demonstrations, and assignments.
- Evaluation: 60% exams, 20% quizzes & 20% labs. Final exam is worth 30% of the student's final grade.

**HONOURS CHEMISTRY 11**

MCH 11H (4)

**Prerequisite:** Science 10 Honours & Foundations & Pre-Calculus Math 10 with a B average or higher, or Science 10 teacher recommendation

- Recommended that Pre-Calculus 11 be taken concurrently
- Expect demanding course content and to enroll in AP Chemistry 12 the following year
- Core Topics: Introduction to Chemistry, Atoms, Molecules and Ions; Mole Concept, Chemical Reactions; Atomic Theory; Solution Chemistry; Organic Chemistry
- Expanded Topics: Quantum Numbers, Molecular Geometry, Chemistry of Transition Metals; Complex Ions
- Typical Activities: Laboratory experiments, lectures, demonstrations, and assignments
- Evaluation: 60% exams, 20% quizzes, 20% labs (may vary by teacher). Final exam is 30% of the student's final grade.

**CHEMISTRY 12**

MCH 12 (4)

**Prerequisite:** Chemistry 11 with a C+ average or higher

- The course has a heavy mathematical basis and therefore requires an average of C+ or higher in Pre-Calculus 11.
- Students are also advised to take Pre-Calculus 12 or Foundations of Mathematics 12
- Topics: Reaction Kinetics; Equilibrium; Solubility of Ionic Substances; Acids, Bases and Salts; Electrochemistry
- Typical Activities: laboratory experiments, lectures, demonstrations and assignments
- Evaluation: 60% Exams, 20% quizzes, 10% Labs & 10% assignments (may vary by teacher). Final exam is 30% of the final grade.

**AP CHEMISTRY 12**

ACHE12 (4)

**Prerequisite:** Honours Chemistry 11, Chemistry 12, and Pre-Calculus 11 with a C+ average or higher.

- Designed to be equivalent to a first year college general chemistry course.
- Contributes to development of a student's abilities to think clearly & express ideas orally & in writing, with clarity & logic.
- Review Topics: Matter & Measurements; Atoms, Molecules, & Ions; Chemical Formulas and Equations; Electronic Structure; The Periodic Table and the Main Group Metals; Covalent Bonding; Liquids and Solids; Organic Chemistry; Quantum Numbers; Molecular Geometry, Chemistry of Transition Metals; Complex Ions; Nuclear Chemistry.
- Expanded AP Topics: Kinetics & Thermochemistry; Gas Laws & Gaseous Equilibrium; Qualitative Analysis; Non-metals; Molecular Structure; Liquids and Solids.
- Typical Activities: Laboratory experiments, lectures, and demonstrations.
- Evaluation: 30% exams, 35% quizzes, 35% labs. Optional AP Exam costs \$100.00-\$115.00.

**PHYSICS 11**

MPH 11 (4)

**Prerequisites:** Science 10, Foundations Math 10 with a 'C+' and recommend to take **concurrently** with Pre-Calculus Math 11

- Course sections: kinematics, dynamics, special relativity, energy, wave phenomena, atomic structure, and applied optics
- Typical activities include lectures, labs and experiments
- Evaluation is based on assignments labs and tests

**PHYSICS 12**

MPH 12 (4)

**Prerequisites:** Physics 11 with a 'C+' and Pre-Calculus Math 11

- Content: vectors, 2-D kinematics and circular motion, universal gravitation, electrostatics, circuits, dynamics, and electromagnetism
- There is more emphasis on mathematical approaches to physics than in Physics 11
- Evaluation is based on assignments and tests

**EARTH SCIENCE 11**

MES11 (4)

**Prerequisite:** Science 10

- A recommended prerequisite for Geology 12 and Geography 12
- An introductory course that explores a variety of fields including Astronomy, Physical and Historical Geology, Oceanography, Meteorology and Use of Resources
- Activities: lectures, demonstrations, field trips, labs, assignments, & projects (e.g. rock and mineral identification labs, etc.)
- Students should have a strong interest in their physical environment and the forces of nature that cause it to change (i.e., volcanic eruptions, tsunamis, global warming, flooding, mountain building, etc.)
- Evaluation is based on tests (60%), quizzes (10%), daily assignments (10%) and labs & projects (20%)

**GEOLOGY 12**

MGEOL 12 (4)

**Prerequisites:** Any one of Chemistry 11, Physics 11, Biology 11, or Earth Science 11 with a "C+" or better.

- Extremely high demand and well rewarded careers in geological sciences
- Content: Geological processes, Rocks, Fossils, Geological time, Plate tectonics, Hydrosphere



# SOCIAL STUDIES

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## BC FIRST NATIONS STUDIES

MFNS 12 (4)

Provincially Examinable Course (20% of final mark)

**Prerequisite:** Social Studies 10

- Fulfills both Social Studies 11 and a grade 12 level credit requirement
  - A course introducing BC First Nations culture, past and present, ethnicity, language, social structure and organization
  - Major topics: pre/post contact, treaty process, reserve system, anti-potlatch laws, residential schools & economic structure
- 

## COMPARATIVE CIVILIZATIONS 12

MCCN 12 (4)

**Prerequisite:** Social Studies 11

- Study of world cultures that enables students to develop an appreciation for diversity within and among cultures
  - Music, literature, art, architecture, and performing arts are studied as expressive forms of a civilization's beliefs and history
- 

## GEOGRAPHY 12

MGEO 12 (4)

**Prerequisite:** 'C' in Social Studies 11 is recommended

- Course divided into two components: Physical and Environmental Geography with a focus on the Fraser Valley
  - Minimum of four fieldtrips at no cost to the student
- 

## SOCIAL JUSTICE 12

MSJ 12 (4)

- The aim of this course is to raise students' awareness of social injustice, to enable them to analyse situations from a social justice perspective, and to provide them with knowledge, skills, and an ethical framework to advocate for a socially just world.
- 

## HISTORY 12

MHI 12 (4)

**Prerequisite:** 'C+' average in Social Studies 11 is recommended

- A comprehensive study of world affairs from 1919 to the present
  - Major topics include Paris Peace treaties, the Russian Revolution, the Depression, World War II, the Cold War, the United States and Russia (as superpowers), and the Middle East
- 

## PHILOSOPHY 11

YPHR-1A (4)

**Prerequisite:** Social Studies 10

- The study of self examination, thinking, and meaning. The course focuses on analyzing how people develop a world view and personal world views and how they shape the way we think and act.
- 

## PHILOSOPHY 12

YPHR-2A (4)

**Prerequisite:** Social Studies 11 or English 11

- Examines the larger questions of life including what is: reality, right & wrong, thought, art, beauty, and more
  - Through lectures, movies and discussions we trace the history of western thought – from Socrates until we reach postmodern thinking of present day; topics cover the nature of right action, knowledge and consciousness
  - Attention given to exploring individual worldviews, underlying reasoning behind them, & the nature & structure of modern society
- 

## SOCIAL STUDIES 10

MSS10 (4)

**Prerequisite:** Humanities 9 or Social Studies 9

- Covers the history of Canada from 1815-1914.
  - Major topics: Geography, Immigration, Aboriginal Relations, Confederation, Expansion across the Prairies, and the History of British Columbia
  - Social Studies 10 has a year-end school exam worth 20%, no provincial exam
- 

## SOCIAL STUDIES 11

MSS11 (4)

Provincially Examinable Course (20% of final mark)

**Prerequisite:** Social Studies 10

- Covers components of Canadian government, Canadian history from 1914-2000 and human geography
  - Topics include: Canada's role in: WW I/II, Roaring 20's, Depression and Cold War, Global Environment, & World affairs
- 

## CIVIC STUDIES 11

MCIV 11 (4)

Provincially Examinable Course (20% of final mark)

**Prerequisite:** Social Studies 10

- Course fulfills the Social Studies 11 requirement for graduation
- Civics 11 covers topics that include the levels of government, responsibilities of government, and civic matters in society

**LAW 12**

MLAW 12 (4)

**Prerequisite:** Social Studies 11 or Civic Studies 11 and English or Communications 11 (may be taken concurrently)

- Origins of Canadian law, our legal system, courts, Charter of Rights and Freedoms, business law and current issues in our society
- Guest speakers, such as local politicians and lawyers; field trip to Supreme Court as well as Provincial Courthouse
- Students will be evaluated on quizzes, tests, written work, projects, and participation in class activities



# STUDENT SERVICES

**ENGLISH LANGUAGE ACQUISITION 10, 11, 12**

YESFL0A (4), YESFL1A (4), YESFL2A (4)

**Prerequisite:** The student's primary language of the home is not Standard English.

- These courses assist English as an Additional Language students in the development of proficiency in the English language, enabling student success in language-based high school courses
- Practice skills and strategies to increase command of and competence in the English language
- Investigate and express understanding of Canadian culture and customs
- Demonstrate language proficiency in oral, visual and written forms

**ABORIGINAL SUPPORT**

YPA--0A (4), YPA--1A (4), YPA --2A (4)

**Prerequisite: Self-identify as being of Aboriginal ancestry**

- Provides enhanced education programs to increase academic success of Aboriginal students
- Provides additional support services for Aboriginal students and their families
- Emphasizes the integral nature of traditional culture, language and history to Aboriginal student development and success

**LEARNING ASSISTANCE/STRATEGIES 10, 11 & 12**

YPA--0A (4), YPA--1A (4), YPA--2A (4)

**Prerequisite: Special placement by the School Based Team (SBT)**

- These 4 credit courses can be used toward the total credits necessary for graduation.
- Provides academic subject support
- Identifies personal learning styles and practices strategies to support Student Learning Profiles
- Develops and increases self-advocacy skills

**LAR 10, 11, 12 (Learning Assistance Remedial)**

XLDCA10 (4), XLDCA11 (4), XLDCA12(4)

**Prerequisite: Special placement by Special Education teacher and/or SBT**

- Non-credit support courses
- Provides remedial instruction in core academic areas (humanities and mathematics)
- Provides homework subject support
- Develops and increases personal, life, and work-related skills
- Facilitates appropriate work experience opportunities

**SPECIAL NEEDS WORK SITE PREPARATION**

XSIEP 11A

**Prerequisite:** special placement through SSS Special Education

- This course is available to students with special needs and will offer work placements in and out of the school building
- Course work will include the daily operations of the school store, paper recycling and the school coffee shop
- Students will also participate in creating, marketing and taking and filling orders for a product

**SPECIAL NEEDS SOCIAL SKILLS**

XSIEP 11B

**Prerequisite:** special placement through SSS Special Education

- This course is available to students with special needs
- Includes positive group socialization skills, predicting social outcomes, personal development skills, goal setting & problem solving
- There will be a combination of direct instruction and practice using supervised recreational activities such as games and puzzles

**SPECIAL NEEDS MATH/SCIENCE**

XSIEP 11C

**Prerequisite:** special placement through SSS Special Education

- This course is available to students with special needs
- Includes topics such as coin recognition, budgeting, making change, using calendars & journals to manage appointments, telling time, reading schedules, arithmetic, calculator use, and other math topics needed to achieve maximum independence
- Content will be adjusted to meet the individual needs of each student

**SPECIAL NEEDS HUMANITIES**

XSIEP 11D

**Prerequisite:** special placement through SSS Special Education

- This course is available to students with special needs. Content will be adjusted to meet the individual needs of each student.
- Covers topics such as current events, life skills literacy, communication skills, family life & sexuality (with parental permission), general knowledge, internet usage and safety

**SPECIAL NEEDS PHYSICAL EDUCATION**

XSIEP 11E

**Prerequisite:** special placement through SSS Special Education

- This course is available to students with special needs
- Focus on the fun and active development of large muscle motor skills. It will also explore community based recreational activities

**SPECIAL NEEDS PRACTICAL ARTS**

XSIEP 11F

**Prerequisite:** special placement through SSS Special Education

- This practical course will be available to special needs students
- Concentrates on use of hand tools and completion of several small projects with Teacher Assistant support

**SPECIAL NEEDS HOMEMAKING**

XSIEP 11G

**Prerequisite:** special placement through SSS Special Education

- This course is available to students with special needs
- Home making covers topics related to independent living - Including cooking, cleaning, shopping and laundry

**SPECIAL NEEDS RETAIL**

XSIEP 11H

**Prerequisite:** special placement through SSS Special Education

- Available to students with special needs only. This program covers topics related to operating a retail business
- Workplace attitudes, behaviours and skills are systematically taught using a structured program of videos, role playing, classroom discussions and written material
- Students who master this content will have the opportunity for real world work placement

**TRADES AND TECHNOLOGY****AUTOMOTIVE TECHNOLOGY 11**

MAT 11 (4)

**Prerequisite:** None

- Learn money saving techniques
- An introduction to automotive maintenance and repair
- Topics include: engine operation, ignition operation, minor tune up techniques, lubrication, cooling, fuel systems, electrical systems, tires, brakes, and buying a used car
- Consists of approximately 50% theory and 50% practical
- Maintenance and safety are stressed
- Subjective evaluation is determined by Tests, Assignments and Lab Work 60%; Objective evaluation similar to the criterion used by employers to evaluate employees i.e., Work habits, Quality and Quantity of Work and Attitude 40%

**AUTOMOTIVE TECHNOLOGY 12**

MAT 12 (4)

**Prerequisite:** Grade 12's - AT 11. Grade 11's - with instructor's permission; a C+ or higher in AT 11 is strongly recommended

- Continuation of material learned in AT 11, including mechanical problem solving and trouble shooting
- Repair and theory to include fuel and ignition systems, suspension, steering, drive lines and transmissions
- Students are given the opportunity to acquire the knowledge and develop the necessary skills to enable them to repair their own automobiles after graduation
- Maintenance and safety are stressed
- Consists of approximately 40% theory and 60% practical. Students considering a career in automotive or related fields should take this course in conjunction with Mechanics 12B or ATE 12
- Subjective evaluation is determined by Test, Assignments, and Lab Work 40%; Objective evaluation similar to the criterion used by employers to evaluate employees i.e., Work habits, Quality and Quantity of Work and Attitude 60%

**AUTOMOTIVE TECHNOLOGY 12: Automotive Electricity & Electronics**

MATE 12 (4)

**Prerequisite:** AT 11. The course must be taken in conjunction with AT 12

- Students considering a career in auto or related fields are encouraged to take this course in conjunction with AT 12
- Highly practical course with emphasis on skill development, advanced repair and diagnoses and self directed learning
- Active participation in Peer Instruction, and requirement to communicate to others selected topics
- Opportunity to acquire the knowledge and develop the necessary skills required in the automotive industry
- Maintenance and safety are stressed
- Consists of approximately 10% theory and 90% practical. Subjective evaluation is determined by Peer Instruction materials, and Lab Work 30%; Objective evaluation similar to the criterion used by employers to evaluate employees, i.e., Work habits, Quality and Quantity of work and Attitude 70%

**AUTOMOTIVE TECHNOLOGY 12: Body Repair and Finish**

MATB 12 (4)

**Prerequisite:** Grade 12's - AT 11. Grade 11's - with instructor's permission and C+ or higher in AT 11 is strongly recommended

- An introduction to autobody maintenance and repair
- Includes fibreglass techniques, sheet metal repair, welding techniques, refinishing materials and application
- Students given the opportunity to acquire knowledge and begin to develop skills required in the autobody industry
- Maintenance and safety are stressed
- Approximately 30% theory and 70% practical. Subjective evaluation determined by Tests and Assignments 40%; Objective evaluation similar to the criterion used by employers to evaluate i.e., Work habits, Quality, Quantity of work & Attitude 60%.

**CARPENTRY & JOINERY: ACE IT PROGRAM**

PW--2ACJ (4); PW--2BCJ (4); PW--2CCJ (4); PW--2DCJ (4)

**UFV DUAL CREDIT - GRADE 12 – SEMESTER 2**

PW--2ECJ (4); PW--2FCJ (4); PW--2GCJ (4); PW--2HCJ (4)

**Prerequisite:** TEW 10 or CJ 11 plus instructor permission

- In partnership with the University of the Fraser Valley, Sardis Secondary is offering the British Columbia Level 1 Foundations Certificate in house construction.
- Students who wish to enter this program should commit to two blocks of construction (1 lecture & 1 lab) in semester 1 of their grade 12 year, and attend UFV Trades full time in semester 2
- The course is open to all students but only those who complete all of the required competencies will be guaranteed seats into UFV in the student's final grade 12 semester
- This is a must for those who wish to enter the construction industry a step ahead of their peers
- Interested students must contact Mr. Goodman for an interview and acceptance.

**CARPENTRY & JOINERY 10/11**

MTEW 10 (4)/MCJ 11 (4)

**Prerequisite:** None

- Introductory course designed for students wishing to improve woodwork skills through construction of a variety of projects
- Emphasis placed on the six skills employers most request: the ability to solve problems, work in team situations, use decision making techniques, demonstrate communication skills (reading and producing working drawings), use self-directed learning skills and participate in self and product evaluations
- Local employment opportunities will be improved upon successful completion of this course
- Students will have opportunities to construct numerous projects as well as participate in wood technology exploration events
- Objective Evaluation is determined by Test Scores, Assignments, Project Evaluation: 50%. Subjective Evaluation determined by Work Habits, Quality and Quantity, Attitude (Safety and Participation): 50%
- Costs: Only for materials beyond those required to meet the learning outcomes for the course

**CARPENTRY & JOINERY 12**

MCJ 12 (4)

**Prerequisite:** TEW 10 or CJ 11

- An intermediate wood manufacturing course
- Introduction to intermediate woodworking tasks such as machine cut dovetail corners and raised panel construction
- First project uses a variety of materials including oak plywood, M.D.F., and solid stock
- Cabinet and drawer construction is taught with an emphasis on quality and safety
- Students design and construct their second project on their own
- Opportunity to explore Sandblast Sign construction, concrete planter construction, introductory building techniques and milling their own lumber from raw log
- Principles of Furniture Design & Construction involve: Accuracy; Pride and Craftsmanship; Pleasure in Working with Wood
- Modified Mass Production: In certain operations, students work together in small groups
- Evaluation: Students are encouraged to assess their own projects, using well established criteria of craftsmanship. Costs: Only for materials beyond those required to meet the learning outcomes of the course

<b>CARPENTRY &amp; JOINERY 12: Cabinet Construction</b>	<i>MCJC 12 (4)</i>
<b>Prerequisite:</b> CJ 12 and may be taken concurrently with CJF 12.	
<ul style="list-style-type: none"> <li>For students already taking CJ 12: Furniture Const. &amp; wish to enhance their cabinetry skills by doubling up on this type of program</li> </ul>	
<b>CARPENTRY &amp; JOINERY 12: Residential Construction</b>	<i>MCJR 12 (4)</i>
<b>Prerequisite:</b> TEW 10 or CJ 11.	
<ul style="list-style-type: none"> <li>Theory of house construction will be covered throughout the year and will include: understanding building codes, reading blueprint drawings, plot layout, using builder's levels, footings and foundations, concrete calculations, framing, insulation, roofing techniques, stairs, electrical, plumbing, and drywall techniques</li> <li>Practical portion: blend of model construction, self directed skill modules, practical demos &amp; videos, full size garden shed of various designs</li> <li>Is a must for all interested in owning and maintaining a home without relying on high priced contractor repairs, 70% of the Fraser Valley's construction opportunities are directly related to successful completion of this course</li> <li>Objective Evaluation is determined by test scores, assignment completion, and project evaluation: 50 %</li> <li>Subjective Evaluation is determined by work habits, quality of workmanship, attitude (safety and participation): 50%</li> </ul>	
<b>CARPENTRY &amp; JOINERY 12: Furniture Construction</b>	<i>MCJF 12 (4)</i>
<b>Prerequisite:</b> CJ 12.	
<ul style="list-style-type: none"> <li>An advanced wood manufacturing course</li> <li>A logical extension of CJ 12 and allows students to further hone their skills in cabinet and furniture making and gives a good base from which they may go into "Benchmark and Joinery" at a post-secondary institution</li> <li>Projects should be reasonably difficult, i.e., dining room table, large dresser, buffet and hutch, roll-top desk, etc. Graded on well established criteria of craftsmanship. Cost of materials is the responsibility of the student</li> </ul>	
<b>COMPUTER ASSISTED DRAFTING AND DESIGN (CADD)</b>	
<ul style="list-style-type: none"> <li>AutoCAD is our software of choice which has established itself as the industry standard CADD program</li> <li>Lab has current technology equal to industry and post-secondary educational institutes. SSS Drafting program has placed top of the province with past students placing first or second in B.C. since 1999 in annual Skills Canada CADD Competitions</li> </ul>	
<b>INTRODUCTORY DRAFTING &amp; DESIGN 10/11</b>	<i>MTED 10 (4)/MDD 11 (4)</i>
<b>Prerequisite:</b> None	
<ul style="list-style-type: none"> <li>This introductory course is open to grade 10-12 students and is the prerequisite for subsequent Drafting &amp; Design 12 courses at SSS</li> <li>Designed to provide knowledge of the Core Competencies of the Drafting Technician programs at British Columbia Colleges and Technical Institutes</li> <li>Will prepare students for careers in engineering, architecture, construction, industrial design, graphics</li> <li>Uses current, industry standard computer drafting software "AutoCAD" to produce drawings used in technical communications</li> <li>This course will be divided into 20% introductory drafting, focusing on tools, techniques and basic graphic design, 40% Mechanical and 40% Architectural; developing skills in both manual and CADD based drafting</li> <li>Students have the opportunity to use our full scale plotter for architectural drawings, our Vinyl cutter &amp; Heat press for graphic design and our 3D print for 3D modeling</li> <li>Evaluation is based on quality and quantity of completed assignments consisting of mostly practical drawings.</li> </ul>	
<b>DRAFTING &amp; DESIGN 12: ARCHITECTURE LEVEL 1</b>	<i>MDDH 12 (4)</i>
<b>Prerequisite:</b> Introductory Drafting & Design 10/11	
<ul style="list-style-type: none"> <li>This is the first of three closely related levels of Architectural Style Drafting &amp; Design</li> <li>This course will appeal to those interested in home building trades and architecture</li> <li>Basic Canadian &amp; B.C. Building Code will be covered along with design strategy and technique</li> <li>Assignments and evaluation are based on manually drafted &amp; CADD generated drawings: designing a full size house focusing on floor plan layout and section views</li> <li>Evaluation is based on quality and quantity of completed assignments consisting of mostly practical drawings.</li> </ul>	
<b>DRAFTING &amp; DESIGN 12: ARCHITECTURE LEVEL 2</b>	<i>MIDS 2A (4)</i>
<b>Prerequisite:</b> Drafting & Design 12: Architecture Level 1	
<ul style="list-style-type: none"> <li>This is the second of three closely related levels of Architectural Style Drafting &amp; Design</li> <li>This course will appeal to those interested in further increasing their knowledge of home building and Architectural fields</li> <li>In depth Canadian &amp; B.C. Building Code along with Chilliwack bylaws will be covered in conjunction with design strategy and techniques, students design a full set of Architectural plans for a self-chosen lot in the Chilliwack area</li> <li>Advanced CAD functions and techniques will be covered in order to create a full set of full scaled house plans including: floor plans, site plans, section views; &amp; elevations</li> <li>Assignments and evaluation are based on manually drafted &amp; CADD generated drawings.</li> <li>Evaluation is based on quality &amp; quantity of completed assignments consisting of mostly practical drawings</li> </ul>	

**DRAFTING & DESIGN 12: ARCHITECTURE Level 3**

MIDS 2B (4)

**Prerequisite:** Introductory Drafting & Design 10/11

- This is the third level of three closely related Architectural Style Drafting & Design courses
- This course will appeal to those interested in going into home building or Architectural Design fields after high school
- This course builds on level 2 and will provide students with a knowledge well above the average entry level post-secondary student in home building and architectural fields
- In depth Canadian & B.C. Building Code along with Chilliwack bylaws will be continued along with design strategy and technique
- 3D technical visualization will be covered in this course as students work with Autodesk Rev-It to create house plans fully in 3D including realistic visual reference of their house design
- Assignments and evaluation are based on manually drafted & CADD generated drawings: designing a full size house; floor plans; site plans; foundation plans; section views; & elevations
- Evaluation based on quality & quantity of completed assignments consisting of mostly practical drawings

**DRAFTING & DESIGN 12: MECHANICAL DESIGN & ENGINEERING LEVEL 1**

MDDE 12 (4)

**Prerequisite:** Introductory Drafting & Design 10/11.

- This course will appeal to those interested in going into Engineering or a large number of other Mechanical Design careers
- Students will increase their knowledge of 3D modeling in both CAD and manual drafting
- Introduction to industry standard "Autodesk Inventor" will set the sky as the limit to what can be created and produced using our 3D printer
- Students will be introduced to precision measurement tools such as Micrometers and Vernier Calipers as they produce highly accurate drawings of complex parts
- Evaluation is based on quality & quantity of completed assignments.

**DRAFTING & DESIGN 12: MECHANICAL DESIGN & ENGINEERING LEVEL 2**

MIDS 2C (4)

**Prerequisite:** Drafting & Design 12: Mechanical Design & Engineering Level 1

- Aptitude in Math and Physics is very beneficial
- Will appeal to those interested in continuing to gain knowledge in Engineering and other Mechanical Design careers before applying to post-secondary courses.
- Students will increase their knowledge of 3D modeling and design in both CAD (Autodesk Inventor), manual drafting and practical building
- Students will work through an intensive design process providing them with a set of complete working drawings and a 3D printed scale model of a personal design
- Evaluation is based on quality & quantity of completed assignments.

**METAL FABRICATION & MACHINING 11**

MMFM 11 (4)

**Prerequisite:** None – this course is also open to Grade 10's

- A hands-on entry level course open to and recommended for all students
- Designed to introduce students to the numerous career opportunities in the various metalworking fields
- Covers basics: machine/welding shop safety, machining, sheet metal, foundry, forge, oxy-acetylene & Shielded Metal Arc welding
- Students develop their skills on teacher selected skill builders finally selecting and building their own personal projects
- Costs: Only for materials beyond those required to meet the learning outcomes for the course

**METAL FABRICATION & MACHINING 12**

MMFM 12 (4)

**Prerequisite:** MFM 11

- A continuation and expansion of the skills and procedures learned in MFM 11 with greater emphasis on Arc welding including GMAW and Plasma Arc Cutting and accuracy of machining
- Students required to complete certain mandatory skill builders; however more time is available for personal projects
- Costs: Only for materials beyond those required to meet the learning outcomes for the course

**METAL FABRICATION & MACHINING 12: Advanced Fabrication**

MMFMF 12 (4)

**Prerequisite:** MFM 12

- A partially self-directed metalwork manufacturing course for students interested in post secondary or direct employment in the many metal related fields
- A greater emphasis on employability and problem solving skills and technology required for a changing work force
- Students may concentrate on welding, metal fabrication, sheet metal, machining or a combination of these skills
- Costs: Only for materials beyond those required to meet the learning outcomes for the course

**METAL FABRICATION & MACHINING 12: Advanced Welding**

MMFMW 12 (4)

**Prerequisite:** MMFM 12

- A self directed course for students entering a metal fabrication career or post secondary institutions for further study
- Emphasis is placed on the enhancement of skills of welding and machining
- Students will help with equipment maintenance and manufacturing in a simulated work place environment
- Costs: Only for materials beyond those required to meet the learning outcomes for the course

**METAL FABRICATION & MACHINING: ACE IT WELDING - "C" TICKET**

PW--2AWLD (4); PW--2BWLD (4); PW--2CWLD (4); 12PW--2DWLD (4)

**UFV DUAL CREDIT - GRADE 12 – SEMESTER 2**

PW--2EWLD (4); PW--2FWLD (4); PW--2GWLD (4); PW--2HWLD (4)

**Prerequisite:** Metal 11

- In partnership with the University of the Fraser Valley, Sardis Secondary is offering the British Columbia Welding "C" ticket
- Students who wish to enter this program should contact Mr. Purych for an interview
- The course is open to all students but only those who complete all of the required competencies will be guaranteed seats into UFV in the student's final grade 12 semester
- Students successfully completing this program will be eligible to receive a British Columbia Welding "C" certification

## WORK EXPERIENCE PROGRAMS

**Work Experience 12A:** Students are required to complete 90 hours of work placement outside the school, plus 30 hours in school, over their grade 10, 11 and 12 years. This work experience gives students a chance to explore careers of interest to them. The course is also outside the student's regular timetable. Students will be evaluated in consultation with the employer and the student.

**Career Prep Programs** give students the opportunity to develop interests in career areas of their choice. Students must complete an Application Form (available from the office or their counselor) prior to enrolling in a Career Preparation Program. The programs offered at Sardis Secondary School are as follows:

Program	Focus Area	Teacher	Room
Aboriginal	Health and Human Services	Sheldon Nickel	C111
Agriculture	Science and Applied Science	Joe Massie	C217
Applied Science	Science and Applied Science	Paul Bernard	C218
Business Management	Business and Applied Business	Darren Watt	B208
Computer Technology	Trades and Technology	John Murtha	C212
Construction	Trades and Technology	Ryan Goodman	F112
Drafting	Trades and Technology	Chad Hipwell	F115
Entrepreneur	Business and Applied Business	Rod Ross	C210
Fashion Design	Fine Arts, Design and Media	Dale Geck	E107
Fine Arts	Fine Arts, Design, and Media	Courtney Dalton	C123
Foods/Cook Training	Hospitality and Foods	Donna Frost	G102
Health and Fitness	Fitness and Recreation	Mary Casey	C123
Human Services	Health and Human Services	Trish Lewis	Office
Leadership	Health and Human Services	Shasha White	C112
Mechanics	Trades and Technology	Ryan Goodman	F102
Media Broadcasting	Fine Arts, Design, and Media	Manfred Braun	E120
Metal	Trades and Technology	Darren Purych	F107
P.E. Leadership	Fitness and Recreation	Alison Fitzsimmons	Gym
Tourism	Tourism, Hospitality and Foods	Jen Long	B222

# APPRENTICESHIP

## What is the Upper Fraser Valley Regional Secondary School Apprenticeship Program?

It's a partnership between the Chilliwack, Agassiz-Harrison and Hope School Districts, the communities, employers, and the Ministry of Skills, Training and Labour. It's basically a way to learn a trade, beginning while you're still in secondary school. To qualify, you must be attending secondary school in any of the above districts, must be at least 15 years old and be interested in an apprenticeable trade.

## How do I qualify as a Secondary School Apprentice?

1. Complete the Upper Fraser Valley Regional Apprenticeship Application form.
2. Meet with the Secondary School Apprenticeship Coordinator for processing.
3. Complete two weeks unpaid work experience in the trade of your choice.
4. Complete interview with the Apprenticeship Selection Committee and be selected as a secondary school apprentice.

***Students can only be placed into programs where there are employers willing to hire students.***

## How do I choose a trade?

Start with a review of all possible trades. Keep in mind that each trade offers advantages and disadvantages and puts specific demands on your physical and mental abilities. Compare your skills, interests and education in a realistic way to the demands and employment opportunities in those trades that appeal to you. Discuss your choice with your parents, secondary school counselor, others in the trade, and with your Secondary School Apprenticeship Coordinator.

## Who qualifies for the program?

Students must be 15 or older and be attending a secondary school in the Upper Fraser Valley Region. Students must be enrolled in the proper English, Math, and Science courses and must be willing to graduate from secondary school. A student must display the interest and proper work attitudes. Prospective employers may require additional requirements.

## If I am currently working in an apprenticeable trade, can I count my hours of work towards an apprenticeship?

If you are currently working in an apprenticeable trade, you can qualify upon completion of the Application Package and selection by the Selection Committee. All hours worked for this employer could be counted towards an apprenticeship.

## If I am interested in a trade, how do I become a Secondary School Apprentice?

You must complete the application form, two weeks of work experience, and be selected by the Selection Committee. All attempts will be made to find suitable employment for all qualified candidates.

## What are the requirements for completing a Secondary School Apprenticeship?

You must complete at least 480 hours of practical, work based training in one apprenticeable career area. Students MUST GRADUATE from secondary school for all hours to be considered credited towards his/her apprenticeship.

## What benefits can I get from an Upper Fraser Valley Apprenticeship?

You can receive up to 16 credits for work based training. A student who receives a C+ average in grade 12 and works full-time five months after graduation or has 1100 hours reported to the Industry Training Authority can qualify for a \$1000 scholarship. All hours worked can be counted towards your apprenticeship. On the apprenticeship program, you get paid minimum wage or greater.

## How do I get more information on the Upper Fraser Valley Apprenticeship Program?

You can obtain information from your local school district's Secondary School Apprenticeship Coordinator, or Counselor.

**CONTACT:** Mr. Colin Mitchell at 604-798-0797 for further information

# POST SECONDARY EDUCATION

Sardis Secondary graduates who wish to continue their education may choose from a variety of institutions and programs in B.C. and elsewhere. **Students should be aware that meeting the high school graduation requirements does not guarantee that they have met the entrance requirements to post-secondary programs.** Therefore, it is very important in planning their grade 11 and 12 years that students research the general entrance requirements of each post secondary institution that they are interested in attending. Students must also be aware of specific program and faculty requirements. Requirements change from year to year and we recommend that students check the website of the PSIs that they are interested in, consult with the Career Advisor, or speak with their Counsellor when selecting courses for grade 11 and 12. Check [www.sardissecondary.ca](http://www.sardissecondary.ca) for more information and resources. Check out <http://www.educationplanner.ca>.

## COLLEGES & UNIVERSITIES

B.C. offers opportunities for academic study in a wide variety of disciplines (degree and post-degree). Students interested in attending any of these schools should consult the appropriate website and university calendar:

There is now a University or Regional College in many cities and towns throughout B.C. Most Sardis students, who go to a PSI, go to the University of the Fraser Valley (UFV). The regional universities and colleges offer a variety of opportunities:

- ❖ Bachelor's Degree Programs (4 year) - complete undergraduate Degree in a particular field of study.
- ❖ University transfer programs - 1 or 2 years at the local college or university and then 2 to 3 years at another university to complete the requirements for a Bachelor Degree. (e.g. Engineering Transfer to UBC/UVic)
- ❖ Diploma programs (2 years) and Certificate programs (up to 1 year) as well as Apprenticeship Programs -- offer direct job training in a particular field. Diplomas can often "ladder" into Degree programs while Certificates provide job-market ready skills.

You should check University and College websites and calendars for information on what they offer and for transferability to other institutions. (See [www.sardissecondary.ca/viewcategory/13](http://www.sardissecondary.ca/viewcategory/13))

## TECHNICAL INSTITUTES

B.C. Institute of Technology (BCIT) in Burnaby is a local example of a Technical Institute. BCIT offers Degrees, Diplomas and Certificates in hundreds of technical and trades programs. BCIT provides many opportunities, such as open house and information nights, for students to see first hand what they offer. Check out their website - [www.bcit.ca](http://www.bcit.ca).

## UNIVERSITIES AND COLLEGES IN OTHER PROVINCES AND THE UNITED STATES

Other Canadian universities and colleges usually accept B.C. secondary school graduates. Students should consult university websites and/or specific university calendars for entrance requirements.

## SAT (Scholastic Aptitude Test)

US post-secondary schools require the SAT to meet entrance requirements. Also, student-athletes intending to compete in NCAA Division I and II post-secondary sports require SAT scores for eligibility. Also, some Canadian universities (SFU) compete in NCAA competition, and therefore also require SAT scores. Sardis Secondary not only offers courses (see University Prep English and Math) that help prepare for the SAT, but SSS is also an official **SAT EXAM SITE**, and students can register and pay online to write their exam at [www.collegeboard.com](http://www.collegeboard.com) - the site code is **94328**. Students need to check the College Board website for registration deadlines and exam session dates – an exam is offered in November, December, January, May and June at the SSS site. Students can check with their counselor for further information.

## PSI'S & TRANSCRIPTS

Students are required to submit their transcripts to post-secondary schools. In order to do so, students must complete their PSI choices form online at [www.bced.gov.bc.ca/exams](http://www.bced.gov.bc.ca/exams) through their student secure website. Students must log in to their account on the secure website to complete their PSI form, check provincial exam results, and view their unofficial transcript to make sure the information being sent to post secondaries is accurate. See your counsellor if you have concerns. Attend a Post Secondary 101 session to help you with this – these will be offered during exam week in February, 2017.

# USEFUL WEBSITES

## Post-Secondary Information – Canada

<http://applybc.ca>  
[www.educationplanner.ca](http://www.educationplanner.ca)  
[www.bced.gov.bc.ca](http://www.bced.gov.bc.ca)  
[www.canlearn.ca](http://www.canlearn.ca)  
[www.aucc.ca](http://www.aucc.ca)  
[www.schoolfinder.com](http://www.schoolfinder.com)  
[www.alis.gov.ab.ca/main.asp](http://www.alis.gov.ab.ca/main.asp)  
[www.pctia.bc.ca](http://www.pctia.bc.ca)

## Post-Secondary Information – USA and Foreign

[cnsearch.collegenet.com/cgi-bin/CN/index](http://cnsearch.collegenet.com/cgi-bin/CN/index)  
[www.globalcomputing.com/university.html](http://www.globalcomputing.com/university.html)  
[www.collegeboard.org](http://www.collegeboard.org)  
[www.findaschool.org](http://www.findaschool.org)

## Scholarship Websites

[www.studentawards.com](http://www.studentawards.com)  
[www.scholarshipscanada.com](http://www.scholarshipscanada.com)  
[www.studentscholarships.org](http://www.studentscholarships.org)

## Testing Websites

### British Columbia

[www.bced.gov.bc.ca/exams](http://www.bced.gov.bc.ca/exams)

### USA College/University Entrance – SAT/SATII Exams

[www.collegeboard.org](http://www.collegeboard.org)  
[www.college-scholarships.com/free\\_scholarship\\_searches.html](http://www.college-scholarships.com/free_scholarship_searches.html)

## Career Planning

[www.ufv.ca/counselling/career](http://www.ufv.ca/counselling/career)  
[www.careercruising.com](http://www.careercruising.com)