



















SARDIS SECONDARY SCHOOL

















2018-2019

COURSE CALENDAR

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“We Invite Your Success”

2018 GRADUATION PROGRAM

Students are required to complete a minimum of 80 credits in grades 10-12 to fulfill the graduation requirements.

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)
- a Social Studies 11 or 12 (4 credits)
- Science 10 (4 credits)
- a Science 11 or 12 (4 credits)
- a Mathematics 10 (4 credits)
- a Mathematics 11 or 12 (4 credits)
- Physical and Health Education 10 (4 credits)
- a Fine Arts or Applied Skills course (4 credits)
- Career Education (4 credits)
- Career Connections plus Capstone (4 credits)

28 Required Elective Credits:

Students must complete a minimum of 28 elective credits. 12 of these elective credits must be at the grade 12 level.



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)

GT is a compulsory component for graduation on the regular BC Dogwood Diploma. Grade 12 students complete this course on their own time, with the guidance of their counsellor. The GT portfolio has 3 components:

- Personal Health – maintain a personal health plan & participate in 100 hours of physical activity throughout grade 11 and 12.
- Community Connections – participate in a minimum of 30 hours of work experience / community service and describe what was learned.
- Career and Life – complete a transition plan and document significant accomplishments through assignments completed in www.myblueprint.ca

Students complete GT on www.myblueprint.ca Completion of GT is reported as RM (requirements met) versus a percent and letter grade. Four credits are assigned once completed.

DAILY PHYSICAL ACTIVITY

As part of BC grad requirements, students are required to participate in daily physical activity. Grade 10 students satisfy this requirement through the required Physical and Health Education course. Grade 11 and 12 students can also fulfill this requirement by taking Physical and Health Education, Dance, Health & Fitness, or Strength & Conditioning. Grade 12 students record their DPA as part of the GT package.

COUNSELLING SERVICES

Counsellors are available on an appointment basis. Students are assigned to counsellors alphabetically. Please email your counsellor to set up an appointment. Numerous post-secondary institutions require a second language at the grade 11 level. If you are unsure if you will need this to fulfill your plans, please talk to a counselor or career advisor.

Students who are planning on enrolling at a post-secondary institution must check their entrance requirements. Universities have different requirements, so please be careful to check the institution you want to attend.

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. **All students must complete a course selection form with final selections. 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.

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, and 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

All students on the 2018 Graduation Program must write a Numeracy Assessment Exam and a Literacy Assessment Exam. 2018/19 Grade 12 students will write a English 12 or Communications 12 Provincial Exam rather than the Literacy Assessment Exam.

There are up to three opportunities to write each assessment exam. The highest mark achieved will be recorded on the student's final transcript in grade 12. Multiple opportunities are not provided for Provincial Exams.

PROVINCIAL SCHOLARSHIPS

- Basic eligibility: citizen or permanent resident of Canada, resident of BC & fulfill all grad requirements by August 31 of grad year.

BC EXCELLENCE SCHOLARSHIP

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

BC ACHIEVEMENT SCHOLARSHIP

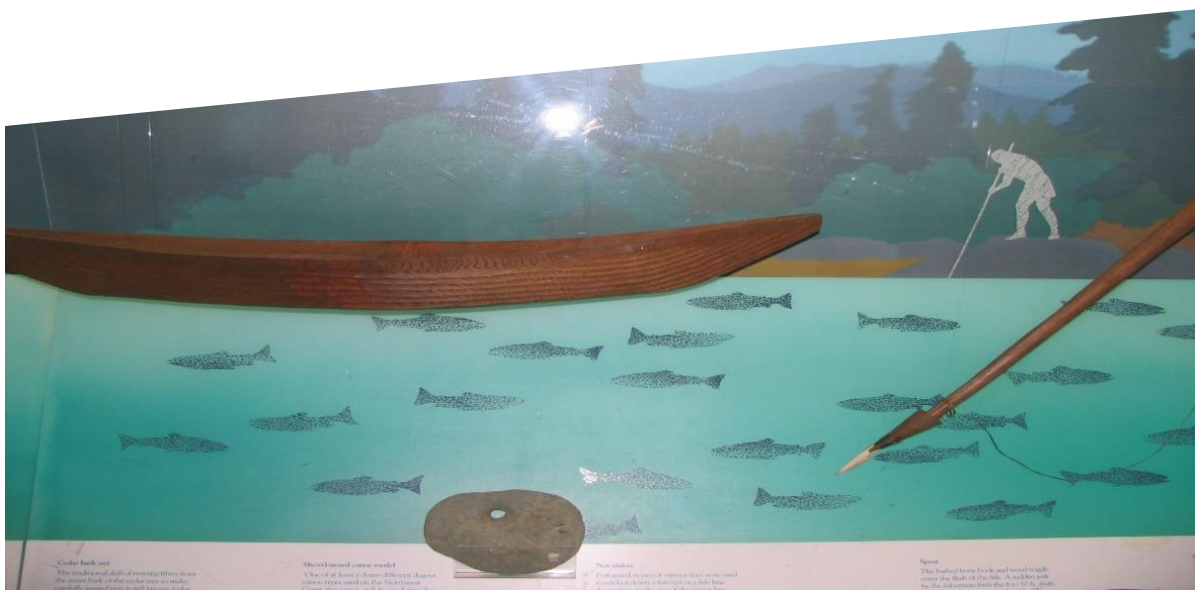
- \$1250 scholarship awarded by the Ministry to 8000 graduating students recognizing broad achievement in grad requirements
- Recipients determined on achievement in grades 10,11 & 12 courses within the grad program (including electives)
- A minimum of 73% blended final in Language Arts 12 is required.

DISTRICT/AUTHORITY SCHOLARSHIP

- \$1250 scholarship awarded by the Ministry to 5500 graduating students recognizing students for excellence in their chosen area of interest or strength.
- Students apply through an application form process.

PATHWAY TO TEACHER EDUCATION SCHOLARSHIP

- **New Award – \$5000** given to 20 outstanding BC grads who have demonstrated a commitment & aptitude for a career path in K-12 teaching and will attend an approved teacher education program at one of BC's nine Faculties of Education.
- Students apply through an application form process.



PROGRAMS AND SERVICES

FLEX 10/11/12

Flex is a 2 credit course that is offered on Thursdays throughout the school year. Each week students select a session from those offered by the teachers. The sessions are designed to enhance, enrich, and extend student learning opportunities on a variety of topics. Students do not select this block with their other course selections. In September flex block will be added to each student's timetable according to the grade they are in.

ADVANCED PLACEMENT COURSES

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

- They are challenging and provide enrichment to the regular program.
- Since they conform to international standards, some post-secondary institutions prefer their applicants to take AP courses.
- Because they are 1st 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 **Biology, Calculus AB, Chemistry, Computer Science (Java), English Literature & Composition, and Psychology.**

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, please refer to the Ministry website at:

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 jumpstarts university education while students complete high school.
- Students receive both high school credits and university 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. The deadline for applying to UFV for concurrent studies is May 31st – late applications will not be accepted by UFV. See your counsellor for a registration package.

For further information on Concurrent Studies at UFV visit:

<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.

EMERGENCY MEDICAL RESPONDER (EMR) PROGRAM (HEALTH SERVICES 12 A/B)

In partnership with the Justice Institute of BC, Sardis Secondary is offering the EMR certification as part of the Health Services 12A/B program.

Students who are successful in the Health Services 12 program (offered in one block during the regular timetable) would receive:

- 8 High School Credits: Health Services 12A (in-class), Health Services 12B (online)
- Justice Institute Emergency Medical Responder (EMR) Certification
- Red Cross SFA and CPR-HCP Certification (or re-certification if already done)
- Post-Secondary Credits with the Justice Institute

Some classes will be held at the Justice Institute (Chilliwack Campus), and there is both an application and a fee for this program.

See the school website for more information.

TRAIN IN TRADES WELDING PROGRAM

This is a joint venture with the University of the Fraser Valley (UFV), the Industry Training Authority (ITA), and Sardis Secondary School. This program enables students to complete the first half of the BC Foundations Welding Program Levels 1 and 2 at SSS. After the introductory courses, Metal 10 or Metal 11, students will need four additional Train in Welding courses to complete the Sardis portion of the Foundations course. In the 2nd semester of their grade 12 year, these students attend UFV for the rest of the Foundation Welding Program. Successful completion of this program provides your student with 32 credits towards their high school graduation requirements. There are a limited number of 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 66 of this course calendar.

DISTANCE EDUCATION COURSES (DL)

Students attending Sardis Secondary may enrol in courses at a distance learning school. 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. In January, a group of Chinese students spends a few weeks attending SSS, billeted in homes of our students. During spring break a group of our students visits 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.

Grade 9 Courses

Art Studio 09	Guitar 09	PE Soccer 09
Business Computer Applications 11	ICTS: Computer Information Systems 11	Power Technology 09
Concert Band 09	Introductory Drafting & Design 10	Science 09
Concert Choir 09	Jazz Band 09	Small Ensemble 09
Dance Foundations 09	Languages for Travel 11	Social Studies 09
Drama 09	Leadership 09	Spanish 09
Drumline 09	Mathematics 09	String Orchestra 09
English 09	Metal 09	Textiles 09
Entrepreneurship 10	Musical Theatre 09	Theatre Production 09
Film & Television 09	Physical & Health Education 09	Vocal Jazz 09
Food Studies 09	PE Football 09 (AM)	Woodwork 09
French 09	PE Golf Academy 09	Workplace Mathematics 09
German 09	PE Hockey Academy 09	



Grade 9 French Immersion Courses

Francais Langue 09	Sciences 09	Sciences Humaines 09
Francais Langue Et Culture 09		

* Grade 9 students are able to take additional grade 10 courses if the prerequisites are met*



Grade 10 Courses

Accounting 11	Foundations & Pre-Calculus 10 Honours	PE Leadership 10
Animation 10	French 10	PE Soccer 10
Art Studio 10	German 10	Photography 10
Automotive Technology 11	Graphics 10	Physical & Health Education 10
Broadcast Media 10	Guitar 10	PE 10 Alternate Delivery
Business Computer Applications 11	ICTM: Digital Media Development 11 – Video Game Design	Power Technology 10
Business Information Management 12	ICTP: Computer Programming 11	Psychology 10
Ceramics 10	ICTS: Computer Information Systems 11	Recording Arts 11
Cisco 11	Introduction to Counselling 11	Science 10
Composition 10 / Creative Writing 10	Introductory Drafting & Design 10	Science 10 Honours
Composition 10 / Focused Literary Studies 10	Introductory French 11	Small Ensemble 10
Composition 10 / New Media 10	Introductory German 11	Social Studies 10
Concert Band 10	Introductory Spanish 11	Spanish 10
Concert Choir 10	Jazz Band 10	Strength & Conditioning 11
Culinary Arts 10	Keyboarding 11	Strength & Conditioning 11 (AM)
Dance Foundations 10	Languages for Travel 11	String Orchestra 10
Data Management 12	Leadership 10	Textiles 10
Drawing and Painting 10	Marketing 11	Theatre & Performance 10
Drumline 10	Metal 10	Theatre Production 10
Entrepreneurship 10	Musical Theatre 10 –by audition	Vocal Jazz 10
Family Studies 11	PE Basketball 10 (AM)	Woodwork 10
Film & Television 10	PE Football 10 (AM)	Workplace Math 10
Food Studies 10	PE Golf Academy 10 / PE Golf Theory 10	Yearbook 11
Foundations & Pre-Calculus 10	PE Hockey Skills 10 / PE Hockey Theory 10	



Grade 10 French Immersion Courses

Francais Langue 10	Sciences Humaines 10	
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* Grade 10 students are able to take additional grade 11 courses if the prerequisites are met*

Grade 11 Courses

Accounting 11	Family Studies 11	Musical Theatre 11
Agriculture 11	Film & Television 11	PE Active Living 11
Animation 11	Fitness & Conditioning 11	PE Basketball 11 (AM)
Art Studio 11	Focused Literary Studies 11	PE Football 11 (AM)
Automotive Technology 11	Food Studies 11	PE Golf Academy 11 / PE Golf Theory 11
Biology 11	Foundations of Math 11	PE Hockey Skills 11 / PE Hockey Theory 11
Biology 11 Honours	French 11	PE Leadership 11
Broadcast Media 11	German 11	PE Soccer 11
Business Computer Applications 11	Graphics 11	Photography 11
Business Information Management 12	Guitar 11	Physics 11
Ceramics 11	Health Services 11	Pre-Calculus 11
Chemistry 11	ICTM: Digital Media Development 11 – Video Game Design	Psychology 11
Chemistry 11 Honours	ICTP: Computer Programming 11	Recording Arts 11
Choreography 11	ICTS: Computer Information Systems 11	Science & Technology 11
Cisco 11	Introduction to Counselling 11	Small Ensemble 11
Cisco 12 A	Introductory Drafting & Design 11	Social Studies 11 Exploratories Honours
Communications 11	Introductory French 11	Spanish 11
Composition 11	Introductory German 11	Strength & Conditioning 11
Concert Band 11	Introductory Spanish 11	Strength & Conditioning 11 (AM)
Concert Choir 11	Jazz Band 11	String Orchestra 11
Creative Writing 11	Keyboarding 11	Textiles 11
Culinary Arts 11	Languages for Travel 11	Theatre & Performance 11
Dance Foundations 11	Leadership 11	Theatre Production 11
Data Management 12	Marketing 11	Vocal Jazz 11
Drawing and Painting 11	Metal 11	Woodwork 11
Drumline 11	Microsoft 12 C	Workplace Math 11
Earth Science 11	Music Composition 11	Yearbook 11



Grade 11 French Immersion Courses

Francais Langue 11	Histoire de la Francophonie 11	
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* Grade 11 students are able to take additional grade 12 courses if the prerequisites are met*



Grade 12 Courses

20th Century World History	Family Studies 12	PE Football 12 (AM)
AP Psychology 12	Film & Television 12	PE Golf Academy 12 / PE Golf Theory 12
Accounting 12	Fitness & Conditioning 12	PE Hockey Skills 12 / PE Hockey Theory 12
Agriculture 12	Food Studies 12	PE Leadership 12
Agriculture 12 Double Block	Foundations of Math 12	PE Soccer 12
Animation 11 (12 w/teacher approval)	French 12	Photography 11 (12 w/teacher approval)
Art Studio 11 (12 w/teacher approval)	Geology 12	Philosophy 12
Automotive Technology 12	German 12	Philosophy 12A
Auto Tech 12: Body Repair	Graphics 11 (12 w/teacher approval)	Physics 12
Auto Tech 12: Drivetrain	Guitar 12	Political Studies 12
BC First Peoples 12	Health Services 12	Pre-Calculus 12
Biology 12	Health Services 12 A,B	AP Calculus 12 AB
AP Biology 12	Human Geography 12	Recording Arts 12
Broadcast Media 12	ICTM: Digital Media Development 12 – Video Game Design	Small Ensemble 12
Business Computer Applications 11	ICTP: Computer Programming 12	Social Justice 12
Business Information Management 12	ICTS: Computer Information Systems 12	Spanish 12
Ceramics 11 (12 w/teacher approval)	Introduction to Counselling 11	Strength & Conditioning 12
Chemistry 12	Introductory French 11	Strength & Conditioning 12 (AM)
AP Chemistry 12	Introductory German 11	String Orchestra 12
Choreography 12	Introductory Spanish 11	Textiles 12
Cisco 12 A, B, E	Jazz Band 12	Theatre & Performance 12
AP Programming	Keyboarding 11	Theatre Production 12
Communications 12	Languages for Travel 11	Theatre Production: Direct & Write 12
Concert Band 12	Law 12	Train in Automotive
Concert Choir 12	Leadership 12	Train in Construction
Culinary Arts 12	Marketing 12	Train in Welding
Dance Foundations 12	Machining & Welding 12	University Prep Math
Data Management 12	Metal 12	Vocal Jazz 12
Draft & Design 12 Level 1-3	Microsoft 12 C, D	Woodwork 12
Draft & Design 12 A,B	Music Composition 12	Woodwork 12: Furniture & Cabinetry
Drawing and Painting 11 (12 w/teacher approval)	Musical Theatre 12	Writing 12
Drumline 12	PE Active Living 12	Yearbook 11 (12 w/teacher approval)
English 12	PE Basketball 12 (AM)	



Grade 12 French Immersion Courses

Francais Langue 12	Civilizations Comparees 12	
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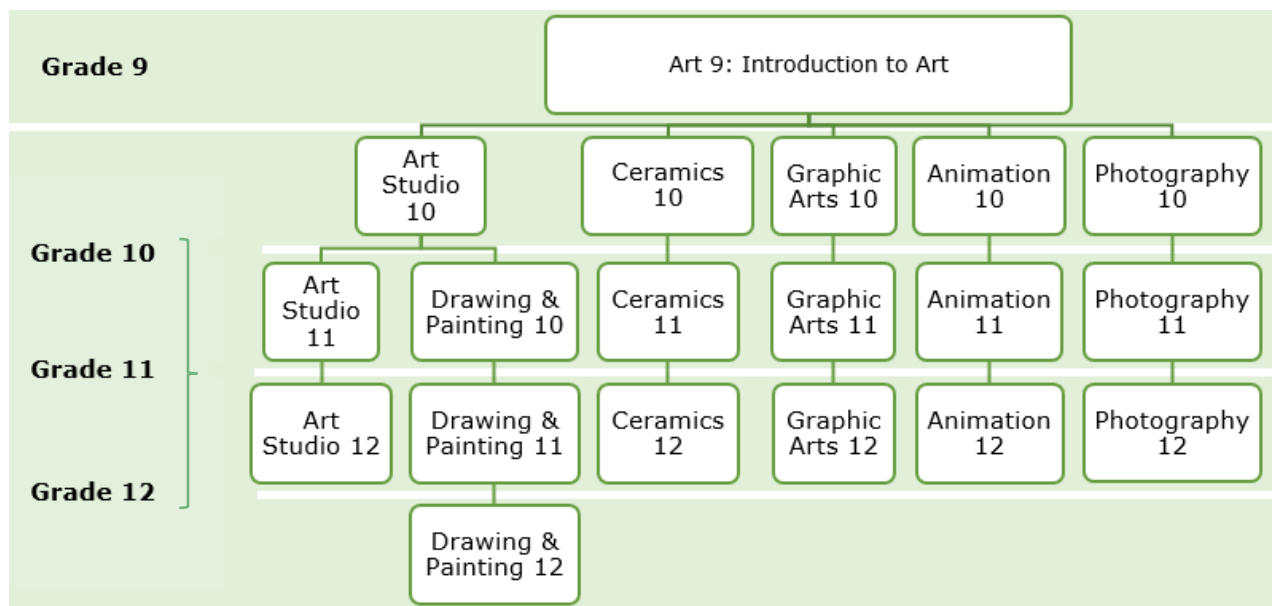


ART (AR)

GENERAL INFORMATION ABOUT THE VISUAL ARTS PROGRAM

The aim of the Visual Arts Program is to allow learners to experience the power, ideas, and emotions expressed in visual artwork by enabling them to perceive, react, create, and communicate visually. 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. In all courses, evaluation for project-based assignments will reflect the level of effectiveness and competencies of students.

The Visual Arts Program will enrich students' understanding and appreciation of Art. For committed students, the art courses will prepare students for post-secondary studies. Careers in fine art, graphic design, animation, industrial design, interior design, or in the movie or game industries represent some of the opportunities available to students who study art.



AR-ANIMATION 10

Prerequisite: Open to students in Grades 10-12.

- Offered to meet the growing demand for animators from industries such as movie and television, computer, and video game design.
- This course content will include an introduction to storyboarding, background design, and 3D modeling.
- Two industry-standard software will be used for the completion of this course. The 2D unit will be completed using Adobe Animate. The 3D unit will be done using AutoDesk Maya

AR-ANIMATION 11

Prerequisite: Animation 10

- Adobe Animate and AutoDesk Maya programs will be used for more in-depth projects.
- Students will be focusing on 3D character design including modeling, and rigging, as well as animating it.
- Emphasis will be on creating a demo reel and/or portfolio that could be used to apply for post-secondary program entrance and/or employment.

AR-ANIMATION 12*

Prerequisite: Animation 11

*This course is not available in course selections. Teacher permission required for this course.

- Emphasis will be on elaborating a demo reel and/or portfolio that should be used to apply for post-secondary program entrance and/or employment.
- These students will play a leadership role in the art studio, offering guidance and expertise to other classmates.
- This course will allow students to specialize in 2D or 3D animation. A more in depth set of skills will be developed.

AR-ART STUDIO 09

Prerequisite: Open to students in Grade 9.

- Designed to allow students to explore a variety of art methods, this course provides a good foundation for students planning to take further visual arts courses.
- Students will explore their visual creativity through drawing, painting, printmaking, graphics, photography, sculpture, and ceramics.

AR-ART STUDIO 10

Prerequisite: Open to students in Grades 10-12.

- Explore a variety of art methods while learning about the elements and principles of art and design.
- Use a variety of materials, strategies, techniques, and technologies that support creative processes.
- Explore your creativity through drawing, painting, printmaking, sculpture, photography, and ceramics.



AR-ART STUDIO 11

Prerequisite: Art Studio 10

- Explore a variety of art methods while learning about the elements and principles of art and design.
- Continue to explore a variety of art methods such as: drawing, painting, printmaking, sculpture, photography, and ceramics.
- Independent work is encouraged at a more advanced level.

AR-ART STUDIO 12*

Prerequisite: Art Studio 11

*This course is not available in course selections. Teacher permission required for this course.

- Continue to explore a variety of art methods such as: drawing, painting, printmaking, sculpture, photography, and ceramics.
- Students will specialize in several art methods of their choosing, developing independent projects that will become part of a final portfolio.
- These students will also play a leadership role in the art studio, offering guidance and expertise to other classmates.
- Explore a variety of art methods while learning about the elements and principles of art and design.

AR-CERAMICS 10

Prerequisite: Open to students in Grades 10-12.

- Designed to allow students to specialize in three-dimensional art forms.
- This course focuses on 3D ceramic sculpture, pottery – wheel throwing, hand building, sculptural forms using a variety of clay bodies, glazes, and surface techniques.

AR-CERAMICS 11

Prerequisite: Ceramics 10

- Designed to allow students to continue to specialize in three-dimensional art forms.
- This course builds upon and expands further on 3D ceramic sculpture, pottery – wheel throwing, hand building, sculptural forms using a variety of clay bodies, glazes, and surface techniques.

AR-CERAMICS 12*

Prerequisite: Ceramics 11

*This course is not available in course selections. Teacher permission required for this course.

- This course builds upon and expands further on 3D ceramic sculpture with a more personal focus.
- Students will develop a personal portfolio for presentation at the end of the course.
- These students will also play a leadership role in the art studio, offering guidance and expertise to other classmates.
- Designed to allow students to concentrate even further in three-dimensional art forms.

AR-DRAWING & PAINTING 10

Prerequisites: Art Studio 10

- Create personally meaningful images through drawing and painting.
- Explore a variety of sources, techniques, and strategies for image development and design.
- Apply visual elements and principles of design to your artwork.
- Explore graphite, charcoal, pastel, pencil crayon, pen and ink, acrylic paint, and water colour techniques.
- Evaluation: in class assignments, projects, sketchbook, and written self-evaluation.

AR-DRAWING & PAINTING 11

Prerequisites: Drawing and Painting 10

- Students will build on media techniques from Drawing and Painting 11 using graphite, charcoal, pastel, pencil crayon, pen and ink, acrylic paint, and water colour.
- Students will be encouraged to use critical thinking and problem-solving techniques in their artwork.
- Evaluation: in class assignments, projects, sketchbook, and written self-evaluation.

AR-DRAWING & PAINTING 12*

Prerequisite: Drawing and Painting 11

*This course is not available in course selections. Teacher permission required for this course.

- Students will be encouraged to use critical thinking and problem-solving techniques in their artwork
- Evaluation: in class assignments, projects, sketchbook, and written self-evaluation.
- As well, these students will play a leadership role in the art studio, offering guidance and expertise to other classmates as well as developing a portfolio that could be used to apply for post-secondary programs.
- Students will build on media techniques from Drawing and Painting 12 using graphite, charcoal, pastel, pencil crayon, pen and ink, acrylic paint, and water colour.



AR-GRAPHICS 10

Prerequisite: Open to students in Grades 10-12. Some computer and art/sketching skills are helpful, but not necessary.

- Explore and master tools used in vector drawing (Adobe Illustrator) and photo editing (Adobe Photoshop) as well as become familiar with general design concepts.
- Produce commercial works for various school and community publications.
- Evaluation will be based on assignments and projects.

AR-GRAPHICS 11

Prerequisite: Graphics 10

- Use the tools mastered in Graphic Design 10 (vector drawing and photo editing) as well as general design concepts to work on projects that are more technically and conceptually advanced.
- Produce commercial works for various school and community publications.
- Independent work is encouraged at a more advanced level.
- Evaluation will be project based and will require the student to keep a portfolio of the work they have done.

AR-GRAPHICS 12*

Prerequisite: Graphics 11

*This course is not available in course selections. Teacher permission required for this course.

- Produce commercial works for various school and community publications.
- Independent work is encouraged at a more advanced level.
- Evaluation will be project based and will require the student to keep a portfolio of the work they have done.
- These students will also play a leadership role in the art studio, offering guidance and expertise to other classmates.
- Use the tools mastered in Graphic Design 11 (vector drawing and photo editing) as well as general design concepts to work on projects that are more technically and conceptually advanced.

AR-PHOTOGRAPHY 10

Prerequisite: Open to students in Grades 10-12.

- Explore a variety of photography techniques that include: digital photography, black and white darkroom photography, historical process photography (cyanotypes and gum prints), and screen printing.
- Become familiar with the basics of Photoshop.
- Develop personally meaningful images while mastering the processes of each photo/printing technique.
- Outcomes: art/photo prints, cards and posters and the opportunity to print designs on t-shirts or other textile items.



AR-PHOTOGRAPHY 11

Prerequisite: Photography 10

- Continue to explore a variety of photography techniques that include: digital photography, black and white darkroom photography, historical process photography (cyanotypes and gum prints), and screen printing.
- Student will work on projects that are more advanced conceptually, as well as technically.

AR-PHOTOGRAPHY 12*

Prerequisite: Photography 11

*This course is not available in course selections. Teacher permission required for this course.

- Work on projects that are more advanced conceptually, as well as technically.
- Develop a personal portfolio for presentation at the end of the course.
- These students will also play a leadership role in the art studio, offering guidance and expertise to other classmates.
- Continue to explore of a variety of photography techniques that include: digital photography, black and white darkroom photography, historical process photography (cyanotypes and gum prints), and screen printing.

AR-YEARBOOK 11

Prerequisite: C+ average or better overall and teacher approval

- For students who have an interest in photography resulting in professional production of the school's yearbook.
- Includes a variety of experiences in writing, digital photography, 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 working with professional photography and publishing technology.
- Evaluation: in class assignments that apply to design theory and technology; assigned pages, photography, and page caption composition.

AR-YEARBOOK 12*

Prerequisites: Yearbook 11 - *Teacher approval required.

- Includes a variety of experiences in writing, digital photography, 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 working with professional photography and publishing technology.
- Evaluation: in class assignments that apply to design theory and technology; assigned pages, photography, and page caption composition.
- For students who have an interest in photography resulting in professional production of the school's yearbook.



BUSINESS (BU)

BU-ACCOUNTING 11

Prerequisite: None. Open to Grade 10 – 12 students.

- 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.

BU-ACCOUNTING 12

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.

BU-BUSINESS COMPUTER APPLICATIONS 11

Prerequisite: None. Open to Grade 9-12 students.

- Learn at your own pace, self-directed with multi-media lessons.
- Learn Microsoft Word (intro): letters, mail merges, labels, tables, reports, resumes.
- Learn Microsoft PowerPoint presentations (advanced): master pages, charts, kiosks, create professional presentations.
- Learn Microsoft Excel (intro): spreadsheets used in business, banking, finance, real estate, etc.

BU-BUSINESS INFORMATION MANAGEMENT 12

Prerequisite: None. Open to Grade 10 – 12 students.

- Optional: Get your "Microsoft Office Specialist Certification" (Sardis is an official testing center offering certification, this certification is industry standard and very expensive to receive if taken through colleges or private delivery methods).
- Like a grade 11 course (however you get grade 12 credit).
- Learn at your own pace, self-directed with multi-media lessons.
- Learn Microsoft Excel (intermediate): employee scheduling, tracking expenses, payroll, and deductions.
- Learn Microsoft Word (advanced): tables, logos, brochures, directory, columns.
- Learn Microsoft Access (intro): create tables and forms used to store records in a variety of businesses.

BU-DATA MANAGEMENT 12

Prerequisite: None. Open to Grade 10 – 12 students.

- Optional: Get your “Microsoft Office Specialist Certification” (Sardis is an official testing center offering certification, this certification is industry standard and very expensive to receive if taken through colleges or private delivery methods).
- Like a grade 11 course (however you get grade 12 credit).
- Learn Microsoft Access (intermediate to advanced): focus on database development using, easy to create interfaces constructed for schools, hospitals, restaurants, retail stores, etc. - valuable skills applicable to any business.
- Learn Microsoft Excel (intermediate to advanced): mortgages, loans, investments, creating an inventory and custom programmable.

BU-ENTREPRENEURSHIP 10

Prerequisite: None. Open to Grade 9 and 10 students.

- 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.
- Creating a business plan and participating in school activities to build real life experience in business.

BU-KEYBOARDING 11

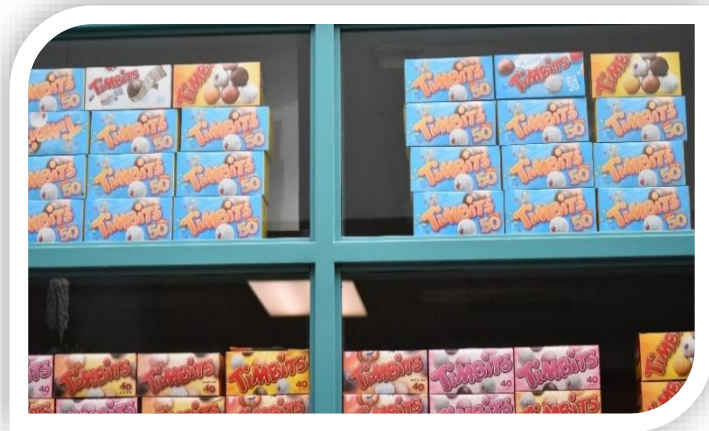
Prerequisite: None. Open to grade 10 – 12 students.

- 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.

BU-MARKETING 11

Prerequisite: None

- Learn how companies design, produce, price and promote a product.
- Learn how to sell products by learning the psychology involved in business.
- Students will participate in individual assignments and large group projects throughout the year.



BU-MARKETING 12

Prerequisite: None

- Learn how companies design, produce, price and promote a product.
- Learn how to sell products by learning the psychology involved in business.
- Students will participate in individual assignments and large group projects throughout the year.

HUMAN GEOGRAPHY – see SOCIAL STUDIES (page 56)

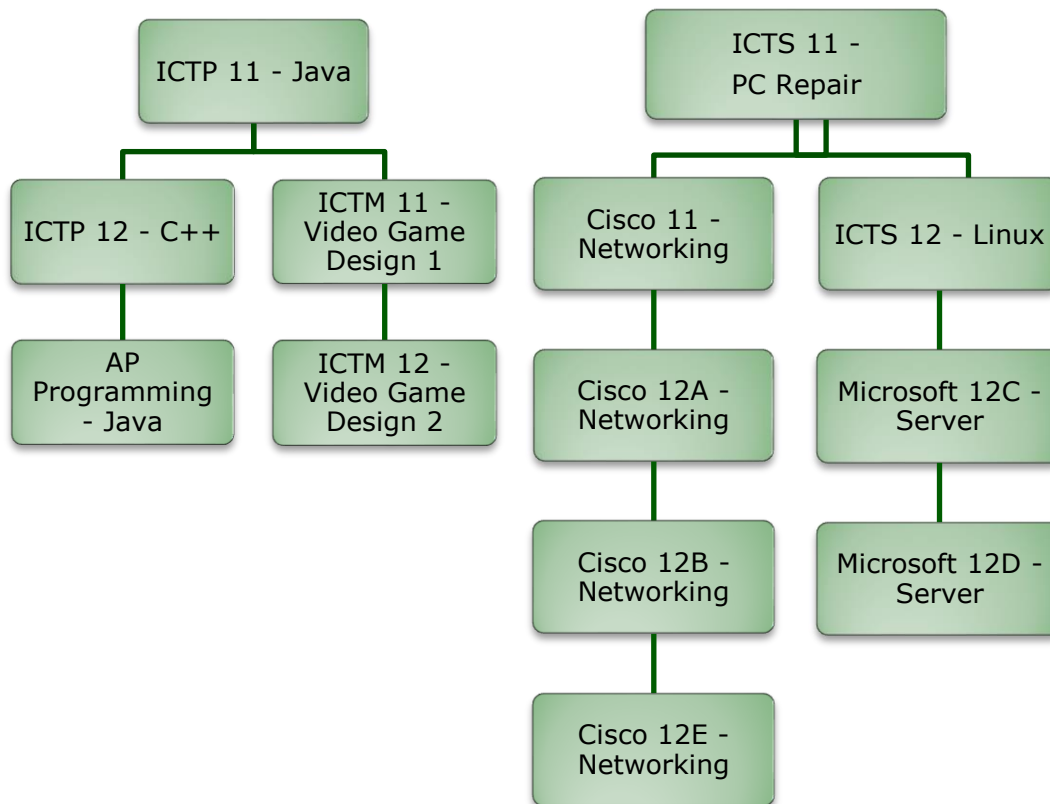


COMPUTER SCIENCE (CS)

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 information.

CS-CISCO 11 - NETWORKING

(CISCO NETWORKING CERTIFICATION – PART 1)

Prerequisite: A 'B' average in ICTS 11. It is also highly recommended that students sign-up for Career Preparation Computer Science Work Experience Program.

- A hands-on course in networking fundamentals.
- Focus on networking devices, IP addressing, Ethernet cabling, and an introduction in routing theory.
- Students will learn to make patch cables, and do installation of structured cabling
- Emphasis is on the Cisco CCNA Certification Exams.

CS-CISCO 12A - NETWORKING

(CISCO NETWORKING CERTIFICATION – PART 2)

Prerequisite: A 'B' average in CISCO 11. It is also highly recommended that students sign up for Career Preparation Computer Science Work Experience Program.

- A hands-on course in networking routing concepts.
- Focus on routing theory, router components, routing protocols, and an introduction to switches.
- Learn to set up, wire and configure LAN/WAN based routers. Emphasis is on the Cisco CCNA Certification Exam.

CS-CISCO 12B - NETWORKING

(CISCO NETWORKING CERTIFICATION – PART 3)

Prerequisite: A 'B' average 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.

CS-CISCO 12E - NETWORKING

(CISCO NETWORKING CERTIFICATION – PART 4)

Prerequisite: A 'B' average 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.

CS-ICTM 11 – VIDEO GAME DESIGN 1

DIGITAL MEDIA DEVELOPMENT 11

Prerequisite: A 'C+' average in ICTP 11 and permission from ICTP instructor.

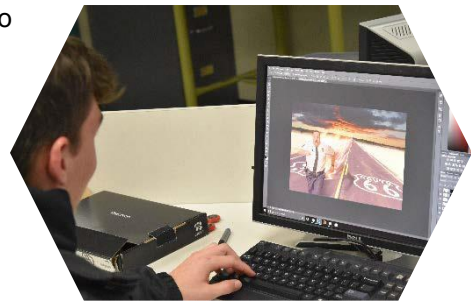
- Provide students with a complete understanding of the technological and creative aspects of video game design.
- Students will participate in a simulation of a real video game design team, seeing each project from origination to fruition.

CS-ICTM 12 – VIDEO GAME DESIGN 2

DIGITAL MEDIA DEVELOPMENT 12

Prerequisite: A 'B' average in ICTM 11 and permission from instructor.

- The course covers advanced topics not covered in ICTM 11.
- Students will participate in a simulation of a major project from origination to fruition.
- Evaluation is project based.



CS-ICTP 11 – JAVA

COMPUTER PROGRAMMING 11

Prerequisite: 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.

- An introduction to computer programming using an object-oriented programming language.
- Students will use the programming language – Java.
- 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.
- Emphasis will be placed on clarity, style and design throughout.

CS-ICTP 12 – C++

COMPUTER PROGRAMMING 12

Prerequisite: A 'C+' or better in ICTP 11.

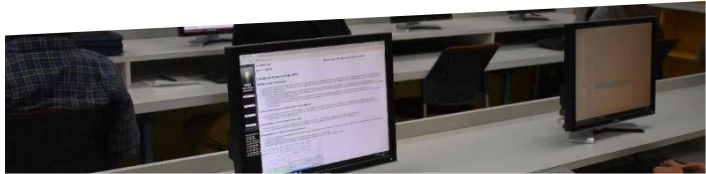
- An introduction to C++ computer programming. Students will use the programming language – C+.
- Students will cover fundamental concepts such as design of objects, interaction between objects, and implementations of object methods, through hands-on lab activities, programming assignments, and game design projects.
- Emphasis will be placed on clarity, style and design throughout.

CS-AP PROGRAMMING – JAVA

COMPUTER SCIENCE 12

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

- Completion of this course prepares students for an optional AP JAVA exam (cost of \$115.00) which, with a high enough score, allows for transfer credit to post-secondary institutions.
- Students are recommended to take this course in semester 2, the AP exam is in May.



CS-ICTS 11 – PC REPAIR

COMPUTER INFORMATION SYSTEMS 11

Prerequisite: A 'C+' average in Math 8 or Science 8. It is also highly recommended that students also sign up for Career Preparation Computer Science Work Experience Program.

- A hands-on course in computer hard-ware and software technology.
- Students will gain the necessary computer hardware/software knowledge and skills to identify, install, configure, upgrade, troubleshoot, and build a computer.
- Emphasis on the A+ Certification Exams. Most PC repair companies require employees to have their A+ certificate.

CS-ICTS 12 – LINUX

COMPUTER INFORMATION SYSTEMS 12

Prerequisite: A 'C+' average in Math 8 or Science 8. It is also highly recommended that students also sign up for Career Preparation Computer Science Work Experience Program.

- Focus is on the fundamental of the Linux operating system and command line.
- Students interact with the Linux operating system and build on their skills and knowledge as they progress through the course.
- Emphasis on the LPI Linux Essentials Certification Exams.

CS-MICROSOFT 12C - SERVER

(MICROSOFT CERTIFIED PROFESSIONAL)

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.

CS-MICROSOFT 12D - SERVER

(MICROSOFT CERTIFIED PROFESSIONAL)

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 (EN)

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.

EN-COMMUNICATIONS 11 (SEMESTER 1 ONLY)

Prerequisite: English 10 or English 10E

- Develops practical reading and writing skills which are applied to real world situations and scenarios.
- Intent is to strengthen students' reading, writing, and 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.

EN-COMMUNICATIONS 12

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 to go on to post-secondary education, who are looking at going to work straight out of high school, or are considering vocational or private training institutions.
- Communications 12 satisfies graduation and admission to some post-secondary institutions, but academic upgrading in English may be required at the university level.

EN-COMPOSITION 10 / EN-CREATIVE WRITING 10

Composition (2 credits):

- Designed to support students in their development of written communication through a critical process of questioning, exploring, and sampling.
- Provides students with opportunities to think critically as they explore, extend, and refine their compositions and writing skills.
- The following are possible areas of focus: Narrative, expository, descriptive, and persuasive compositions; Planning, drafting, grammar, and editing processes.



Creative Writing (2 credits):

- This course is designed for students who are interested in creatively expressing themselves through language.
- Within a supportive community of writers, students will collaborate and develop their skills both individually and in workshop groups.
- The following are possible areas of focus: Contemporary creative forms such as spoken word, graphic novels, drama, creative non-fiction, short fiction, and poetry.

EN-COMPOSITION 10 / EN-FOCUSED LITERARY STUDIES 10

Composition (2 credits):

- Designed to support students in their development of written communication through a critical process of questioning, exploring, and sampling.
- Provides students with opportunities to think critically as they explore, extend, and refine their compositions and writing skills.
- The following are possible areas of focus: Narrative, expository, descriptive, and persuasive compositions; Planning, drafting, grammar, and editing processes.

Focused Literary Studies (2 credits):

- Designed for students who are interested in literature and the study of literature.
- Through close analysis and reading of several genres of fiction, non-fiction, poetry, and drama, students will learn to critically respond to literary elements in prose and poetry.
- Students will increase their literacy skills through close reading of appropriately challenging texts, and will also enhance their development of writing skills, including grammar.

EN-COMPOSITION 10 / EN-NEW MEDIA 10

Composition (2 credits):

- Designed to support students in their development of written communication through a critical process of questioning, exploring, and sampling.
- Provides students with opportunities to think critically as they explore, extend, and refine their compositions and writing skills.
- The following are possible areas of focus: Narrative, expository, descriptive, and persuasive compositions; Planning, drafting, grammar, and editing processes.

New Media (2 credits):

- a program of studies designed to reflect the changing role of technology in today's society and the increasing importance of digital media in communicating and exchanging ideas.
- The following are possible areas of focus: Media and film studies; Journalism and publishing; Poetry, and song lyrics; Digital communication.

EN-COMPOSITION 11

- Designed for students who have an interest in refining their skills in written communication in a variety of contexts as they continue to explore, extend, and improve their writing and writing skills.
- The following are possible areas of focus: Narrative, expository, descriptive, persuasive, and opinion pieces with attention to areas such as thesis development, structure, transitions, hooks and leads, persuasion, argumentation, and the study of a wide range of literature (fiction and non-fiction); Planning, drafting, editing processes, and grammar.



EN-CREATIVE WRITING 11

- Designed for students who are interested in using writing for self-expression and various creative purposes. Within a supportive writing community, students will collaborate and develop their skills through writing and design processes.
- The following are possible areas of focus: Short fiction, poetry, drama, and creative non-fiction.
- Evaluation may be based on a combination 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.

EN-ENGLISH 09

Prerequisite: English 8

- Focuses on speaking, listening, and academic reading and writing skills.
- Through exploration and reading of several genres of fiction, non-fiction, drama, and poetry, students will begin to learn to critically respond to literary elements in prose and poetry.
- Students will be expected to begin developing sophisticated reading and writing skills for further development in grades 10-12.

EN-ENGLISH 12

Provincially Examinable Course (40% of final mark)

- Emphasis on mastery of composition and language skills as well as challenging students with a variety of literary works.
- 60% of the final grade is generated from class work while 40% is determined by a provincial examination.
- Graduation is dependent upon completion of EN12 or COM12. Evaluation: based on learning outcomes, criteria for the course.

EN-ENGLISH 12/EN-AP ENGLISH LITERATURE AND COMPOSITION

Combo course - 2 timetable blocks.

It is recommended that students taking this course have at least a B in Focused Literacy Studies 11 or Composition 11.

- Students will read a variety of literature, poetry, short stories, and novels. AP Lit and Comp 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.
- This course is recommended if you are considering going into an Arts program at a university or college.
- Students will write the provincially mandated English 12 provincial exam in January.
- The AP English Lit and Comp 12 exam is optional and is written in May at a personal cost to the student.

EN-FOCUSED LITERARY STUDIES 11

- Explores specific themes, periods, authors, or areas of the world through literary works (fiction and non-fiction).
- Continues the development of reading and writing skills established in the Grade 10 English programs.
- Students will increase their literacy skills through close reading of appropriately challenging texts, and will also enhance their development of writing skills, including grammar.
- Focus is on analyzing and responding to short stories, novels, poetry, drama, and non-fiction prose. Students are required to demonstrate mastery of several types of writing and employ a wide range of reading strategies.

EN-WRITING 12

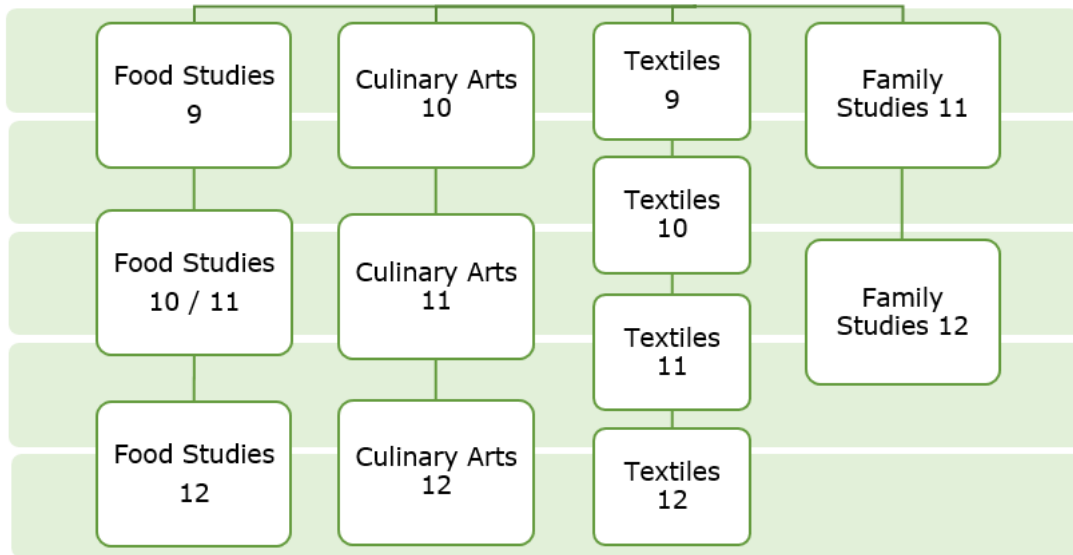
Prerequisite: "C+" in English recommended

- 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.





HOME ECONOMICS (HE)



CULINARY ARTS (CA) OVERVIEW

Students enrolled in Culinary Arts take the BC Food Safe Level 1 course before their introduction to our professional teaching kitchen. Students learn basic cooking and baking principles, knife and equipment skills. Students enrolled in the program assist in the daily production of food for a student body and staff, of over 1000 persons. This program is very much a hands-on, work orientated class, ideally suited to a variety of learning styles and abilities.

HE-CULINARY ARTS 10

Prerequisite: Food Studies course. Open to students in Grades 10-12.

- Learn how to prepare entrees, baked goods, soups and salads.
- Safe food handling techniques.
- Acquire teamwork, organizational and employment skills.
- Food Sustainability.

HE-CULINARY ARTS 11

Prerequisite: Culinary Arts 10. Open to students in Grades 10-12.

- Learn more advanced techniques in food preparation and presentation.
- Learn about dietary and cultural influences in cooking.

HE-CULINARY ARTS 12

Prerequisite: Culinary Arts 11. Open to students in Grade 11 or 12.

- Work more independently to develop cooking skills while preparing a large variety of foods.
- An excellent foundation for cooking at the college level.
- Career Exploration in the Food Industry.



HE-FAMILY STUDIES 11

(INTERPERSONAL & FAMILY RELATIONSHIPS)

Prerequisite: None. Open to students in Grades 10-12 only.

- Curious about the ins and outs of teen relationships? Get to know yourself and others better as you learn about the issues related to healthy and unhealthy relationships.
- Explore socio-cultural influences including the media, relationship dynamics, individual characteristics and traits that people bring to relationships, and more.
- Develop communication skills to help you be confident in how you present yourself and how you relate to others.

HE-FAMILY STUDIES 12

(CHILD DEVELOPMENT & CAREGIVING)

Prerequisite: None. Open to students in Grade 11 or 12 only.

- A comprehensive exploration of conception, pregnancy, infant care, and child development to age 12.
- As we explore the physical, emotional, cognitive and social development of children, you'll come to understand children's needs and how to meet them.
- There are many opportunities for hands on learning including the real life simulation of caring for an infant.

HE-FOOD STUDIES 09

Prerequisite: None. Open to students in grade 9 or 10.

- Do you love to cook and bake? Food Studies 9 is an introductory course to basic cooking and baking techniques that will help you gain confidence reading recipes and preparing some of your favourite foods from scratch.
- Learn the fundamentals as you prepare muffins, cakes, cookies, breads, pizza, pastry, pasta, rice, soup, and salad.

HE-FOOD STUDIES 10/11

Prerequisite: None, however Food Studies 9 is recommended. Open to students in Grades 10-12. Intermediate course. Students can take Food Studies 10 and Food Studies 11 in consecutive years as curriculum alternates every second year.

- Enhance your culinary skills with techniques to help create food that looks & tastes great.
- Prepare a wide variety of foods from around the world including dishes from France, Italy, Germany, Greece, Asia, Australia, Mexico and India.
- Develop life skills and discover how good nutrition plays a key role in your health.
- Discover a passion for cooking as well as advancing your cooking skills and knowledge.
- You have the opportunity to obtain your FOODSAFE LEVEL 1 certificate in this course, which is a valuable asset in today's job market.
- Students will also develop skills in time management and budgeting while preparing and presenting delicious foods in class.



HE-FOOD STUDIES 12

Prerequisite: Foods Studies 10/11. Open to students in Grade 11 and 12 only.

- This advanced cooking and baking course, for the cooking enthusiast, will expand your skills and help you prepare food with professional results that looks and tastes great.
- Focus is on developing advanced skills and techniques to take your cooking and baking abilities to the next level.
- Prepare specialty breads, pasta, appetizers, soups, stock, salads, salad dressings, entrees, full course meals, desserts, and develop professional decorating skills.
- Learn how to improvise, substitute ingredients and create your own recipes.
- You will improve your efficiency in the kitchen and expand your abilities to create a quality meal with a style that will impress any guest.

HE-TEXTILES 09

Prerequisite: None. Open to students in Grade 9 or 10.

- Learn how to make your own clothes and accessories! Textiles 9 is an introductory course to basic sewing skills using sewing machines, sergers and hand stitching.
- Several projects will be prepared in class to introduce you to garment construction, including a top and bottom (pants, shorts or a skirt).
- You will also create a drawstring or duffle bag, and learn how to 'upcycle' – taking a ready-made item and turning it into something new.
- First People's Culture and tradition.

HE-TEXTILES 10

Prerequisite: None, however Textiles 9 is recommended. Open to students in Grades 10-12.

- Increase your skill level as you make your own clothes and accessories! This course is useful for beginners as well as those who have already completed a year of Textiles studies in Grade 9 or middle school.
- Textiles 10 builds on your basic sewing skills using sewing machines, sergers, and hand stitching to create projects suited to your skill level.
- Several projects will be prepared in class including two garments (depending on your skills, this can include a t-shirt or hoodie, and pants, shorts or a skirt).
- Create a bag, and learn how to 'upcycle' – taking a ready-made item and turning it into something new.
- Learn how to enhance your personal wardrobe by assessing garment quality, developing shopping strategies, and understand our role in the production of retail clothing.

HE-TEXTILES 11

Prerequisite: Textiles 9 or 10. Open to students in Grade 11 and 12 only.

- Expand your knowledge of sewing skills and textiles in Textiles 11. Prior sewing experience in Textiles 9 or 10 is required, as you will create new garments and wearable art in this course.
- Construct a variety of projects, determined in class based on your experience, interest and skill level.
- Develop your knowledge of fashion and design principles and gain an understanding of theories related to fashion trends and of how culture, media, retailing, and environmental and social factors influence consumer behaviour.
- Learn how to repurpose items, modify patterns, explore the symbolism in textile prints, and explore the elements and principles of design and textile functionality.



HE-TEXTILES 12

Prerequisite: Textiles 11. Open to students in Grade 11 and 12 only.

- Focus on fashion in this advanced Textiles 12 course, which builds on your prior sewing experiences.
- Several projects will be constructed based on your individual interests, experience, and abilities.
- Experiment with fibers and fabric dyes as you tie-dye a t-shirt you make in class.
- Learn about the relationship between fiber content, fabric type and textile use as you select advanced projects using fabrics that are more challenging to work with.
- Investigate aspects of the fashion industry, consumerism and the social and historical influences on fashion.



HUMAN SERVICES (HS)

HS-INTRODUCTION TO COUNSELLING SKILLS 11

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.

HS-LEADERSHIP 09/10

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

- The purpose of student leadership is to: Learn and develop as a leader; 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, and achievement.
- Leadership is a project-based course that requires students to actively participate in organizing purposeful school and community events, such as assemblies, fundraisers, spirit activities, community events, etc. In Leadership 9/10 there will be a focus on what it means to be a leader, the development of leadership skills in each student, and "how-to's" of organizing events.
- Students will also be required to attend events and service opportunities outside of class time. Applications can be found online at

<http://www.sardissesecondary.ca/sss-student-leadership-101112> and returned to the SSS school office.



HS-LEADERSHIP 11/12

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

- The purpose of student leadership is to: Learn and develop as a leader; 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 and achievement.
- Leadership is a project-based course that requires students to actively participate in organizing purposeful school and community events, such as assemblies, fundraisers, spirit activities, community events, etc. In Leadership 11/12 students will be able to apply the skills, theory and core leadership values developed in Leadership 9/10 and continue to develop their leadership abilities.
- Students will also be required to attend events and service opportunities outside of class time. Applications can be found online at **<http://www.sardissesecondary.ca/sss-student-leadership-101112>** and returned to the SSS school office.

HS-PSYCHOLOGY 10

Prerequisite: None. Open to students in Grades 10-12. Student must have good reading skills.

- Basic Introduction to Psychology
- Scientific study of behavior and the mind
- Of interest to students who want to understand people- why they do the things they do and think the way they think. Understand yourself and others more.
- Topics include a history of psychology, communication, social thinking and social relations, prejudice and discrimination, the brain, nervous system and hormonal systems, lifespan development, sensation and perception, color psychology, influence of music, stress and health, learning, and intelligence.
- Valuable to students entering human services professions, possible avenue into human services Career Prep Program
- Evaluation will be through assignments, videos, projects, experiments, and tests.

HS-PSYCHOLOGY 11

Prerequisite: Psychology 10. Open to students in Grades 10-12. Student must have good reading skills.

- Basic Introduction to Psychology
- Scientific study of behavior and the mind
- Of interest to students who want to understand people- why they do the things they do and think the way they think. Understand yourself and others more.
- Topics include how we learn, memory, states of consciousness- sleep and dreams, hypnosis, drugs, thinking, language, intelligence, personality , psychology disorders, personality disorders, psychological and biomedical therapies, cultural psychology
- Valuable to students entering human services professions, possible avenue into human services Career Prep Program
- Evaluation will be through assignments, videos, projects, experiments, and tests.



HS-AP PSYCHOLOGY 12

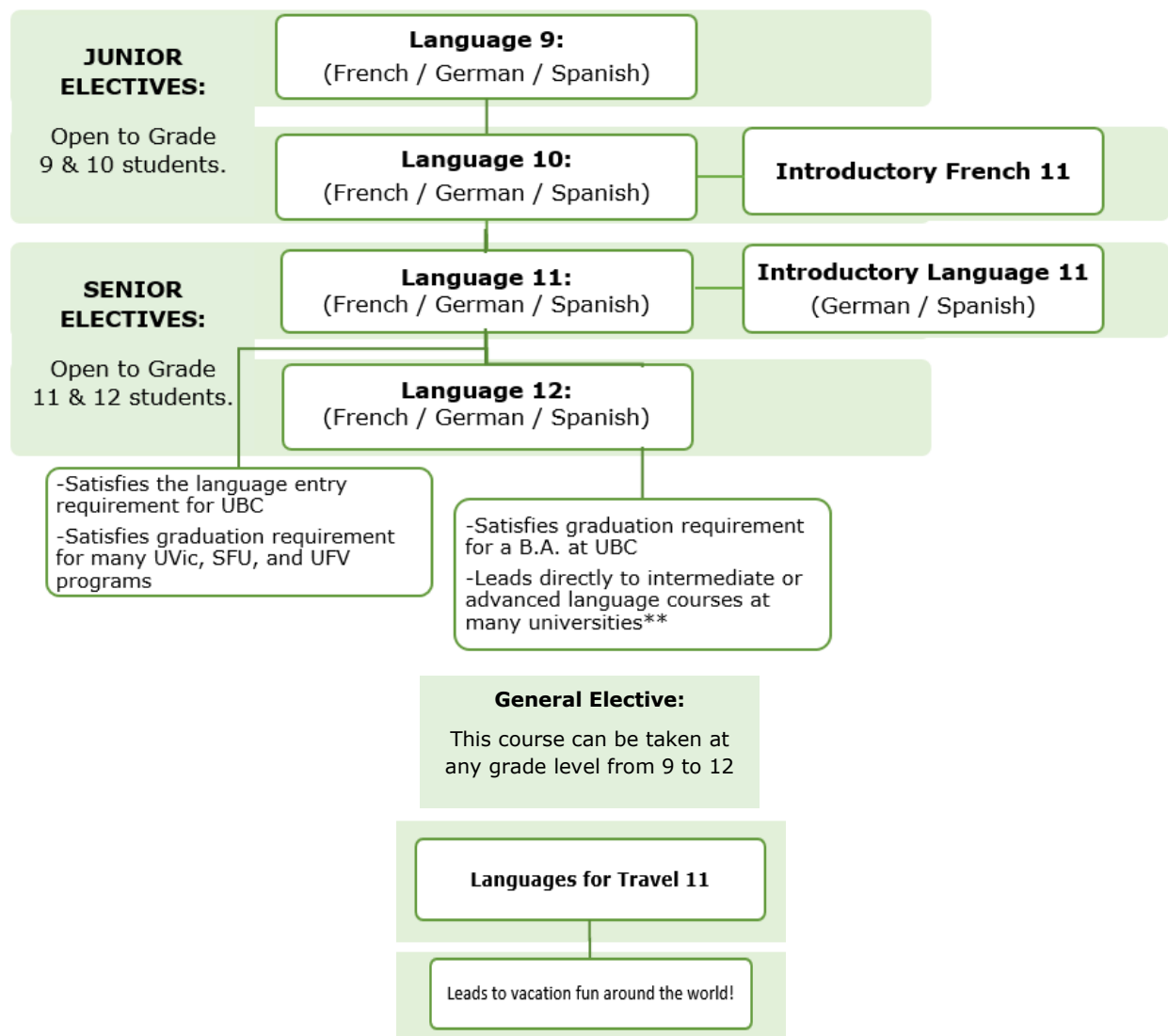
Prerequisite: Psychology 10 and 11. Open to students in Grade 12. Students in Grade 11 eligible with special permission only.

- Extensive reading and vocabulary involved
- Introductory Psychology similar to first year college-level Psychology
- Students can develop their background in the Psychology field, particularly those entering the Human Services professions
- Topics included are: the brain, sensation and perception, states of consciousness, memory, intelligence, gender ,emotion, personality, psychology disorders, treatment, and psychotherapy, social psychology
- Evaluation will be through assignments, projects, quizzes and tests, long answer questions, written reports.
- Optional AP exam in May for a cost of \$115.



MODERN LANGUAGES (LA)

NOTE: A second language at the Grade 11 level is required by most British Columbia Universities depending on your intended field of study. Students should clarify their Language requirement with their counselor and the post-secondary institution they plan to attend. Language 12 will also earn university credits at some institutions.



If you speak German, French or Spanish at home, or recently dropped out of French Immersion, talk to the teacher and your counsellor BEFORE choosing your language level.

**Be aware that universities may expect a student to write a test to determine their best placement. However, the following gives a sample of what students can expect after high school:

FR12 – apply directly to intermediate French courses at university (e.g. FREN122 @ UBC; FRAN160 @ UVIC; FREN210 @ SFU; FREN215 @ UFV)

SP12 – apply directly to intermediate Spanish courses at university (e.g. SPAN 201 @ UBC; SPAN 200 @ UVIC; SPAN 103 @ SFU; SPAN201 @ UFV (SPAN300 with department permission)

GE12 – apply directly to upper intermediate or advanced courses at university (e.g. GERM 300 @ UBC; GERM201 @ SFU; GERM301 @ UVIC; NA @ UFV)

LA-FRENCH 09

Prerequisite: French 8

- Are you heading to university and know that most require a “Language 11” credit at some point? Or perhaps you understand that Canada is a bilingual country, and that French is useful? Or better yet, you are passionate about languages and the many professional doors that they open? Then French 9 is the course for you!
- Using a communicative approach combining listening, speaking, reading and writing activities, students will further develop their oral and written abilities.
- French is not just an academic study – students will engage in French-speaking cultures through food, movies, music and other cultural activities. Topics covered include family, food, home, health, and travel in French-speaking countries.
- Students will continue to identify similarities and differences between French cultures and their own.

LA-FRENCH 10

Prerequisite: French 9

- Since you have invested this much time into learning French, don’t give up now! Set yourself the goal of becoming bilingual (or even trilingual!) in your time at Sardis.
- Using a communicative approach combining listening, speaking, reading and writing activities, learning will be supported through intermediate vocabulary and grammatical structures.
- Topics covered include Carnaval in Quebec, celebrations, travel in France, daily life and pastimes. Students will identify cultural aspects of Francophone countries and resources.
- Various assessment strategies used to evaluate student progress.

LA-FRENCH 11

Prerequisite: French 10 or Introductory French 11 (80% or better is recommended)

- You have taken French 10, and had so much fun that you can’t wait for more? Don’t wait! sign up for French 11 and enjoy more French food, history, music, and other cultural activities, while communicating in French!
- Communicative approach using upper-intermediate listening, speaking, reading and writing activities. Communication supported through intermediate vocabulary and grammatical structures.
- Topics include North African French culture, travelling, celebrations, the world around us, and modern France. Students will develop an understanding of cultural aspects of Francophone countries and resources.
- Various assessment strategies used to evaluate student progress.
- This course satisfies many university entrance language requirements in BC (UFV, UBC, SFU, UVic).

LA-FRENCH 12

Prerequisite: French 11 (“B” or better in French 11 is recommended)

- You have taken French 10 and French 11 - why stop now?!? Take another big step towards being bilingual, and count yourself among the dedicated few, the crème de la crème.
- Did you know that French 12 gives you the Graduation Language Requirement for a Bachelor of Arts degree at UBC?
- Communicative approach using advanced listening, speaking, reading, and writing activities.
- Communication supported through advanced vocabulary and grammatical structures.
- Analysis of cultural aspects of Francophone countries and resources.
- Various assessment strategies used to evaluate student progress.



LA-GERMAN 09

Prerequisite: None.

- Oktoberfest, fast cars, sausages and pretzels – sign up for German to find out the truth behind the stereotypes.
- Open to students in any grade wishing to gain a solid foundation in German
- Designed to provide students with a basic knowledge of the language, you will be confident to communicate in German at a rudimentary level.
- It also will introduce students to the geography, history and culture of German-speaking countries.
- Similarities in the structure and vocabulary of German, French and English are explored.

LA-GERMAN 10

Prerequisite: German 9

- You worked hard through German 9 and now you cannot wait to build on the great foundation you already have.
- Examine the truth behind more stereotypes and try German foods, music and movies.
- Emphasis is placed on oral skills and vocabulary development.
- Reading and writing will be taught in conjunction with each unit.
- Together with German 9, the course gives the student a good foundation in basic German vocabulary and oral skills.

LA-GERMAN 11

Prerequisite: German 10, or Introductory German 11 ("B" standing or better is recommended)

- You took Introductory German 11, and had so much fun that you can't wait for more? Don't wait! sign up for German 11 and enjoy more German food, history, music, and other cultural activities, while communicating in German!
- Language is all about communication, and by the end of this course you will be making yourself understood in German, using intermediate listening, speaking, reading and writing activities
- You can't communicate without words, and you'll be bringing your total to over 1600 of them, as well as learning intermediate grammatical structures.
- Here's the really fun part: we get to experience more cultural aspects of German-speaking countries. This means more food, movies, music, etc.
- Various assessment strategies are used to evaluate student progress (not just tests, but all sorts of creative assignments too).
- This course satisfies many university entrance language requirements in BC (UFV, UBC, SFU, UVic).

LA-GERMAN 12

Prerequisite: German 11 ("B" or better in German 11 is recommended)

- You have taken Intro German 11 and German 11 - why stop now?!? Take another big step towards being bilingual, and count yourself among the dedicated few, die besten der besten.
- Did you know that German 12 gives you the Graduation Language Requirement for a Bachelor of Arts degree at UBC?
- Students have the option of taking the A2 German Exam test as part of this course, worth an additional 4 external credits (USPRA 11A).
- Increase your vocabulary to 2500 (or over 80% of common communication words) through advanced listening, speaking, reading and writing activities, and master the grammar needed for everyday communication.
- Analysis of cultural aspects of German-speaking countries and resources (yup, this means analyzing TV shows, movies, books, art, music, etc.)
- Various assessment strategies are used to evaluate student progress. (not just tests, but all sorts of creative assignments too).



LA-SPANISH 09

Prerequisite: None

- Tacos, beaches, ponchos and bullfights....is that all there is to know about Hispanic culture? The world is your oyster if you can speak a second language, so why not join the 500 million Spanish speakers around the world! Open up your mind and create options for studying, working and living abroad.
- Open to any student wanting foundational skills in Spanish
- Speak, read and write Spanish at a rudimentary level.
- Explore the geography, history and culture of Spanish-speaking countries.
- Discover the similarities in the structure and vocabulary of Spanish, French and English.



LA-SPANISH 10

Prerequisite: Spanish 9

“A very high energy class” (B.J.) “You can speak with fellow Spanish citizens at home or on Spanish vacations” (E.R.)

- Through movies, music and games, students will further explore Hispanic cultures, history and geography.
- Build on previous foundations of oral, written and reading foundations, with an emphasis on aural / oral skills and vocabulary development.
- Apply the similarities between Spanish, French and English to the structures and vocabulary of Spanish.

LA-SPANISH 11

Prerequisite: Spanish 10 or Introductory Spanish 11 (“B” standing or better in Introductory Spanish 11 is recommended)

“This class is not all textbook work; we have the most practical cultural experiences” (M.E.)

“You get to watch cool Spanish movies” (C.E.)

“Sing Enrique Iglesias like a professional!” (R. C.)

- Acquire enough communication skills and personal confidence to spend entire classes in a café – 100% immersed in Spanish! Performing real life tasks such as this one is one of best indicators of your progress in the Spanish language.
- Students will expand their abilities in speaking, listening, writing and reading Spanish through filed trips, movies, discussion and debates, music and creative writing assignments.
- Deepen understanding of the current social, political, and economic issues facing Hispanic immigrants today.
- Various assessment strategies used to evaluate student progress.
- This course satisfies many university entrance language requirements in BC (UFV, UBC, SFU, UVic).

LA-SPANISH 12

Prerequisite: Spanish 11 (“B” standing or better in Spanish 11 is recommended.)

“Hola Señorita Blaak, I’m studying at UFV now, but am going to Barcelona, Spain in February, and studying there until June 30th. Although, I am currently in the Bachelor of Science program and will be placed in the bio sciences faculty in Spain, I would like to take a Spanish course while I am there, so I can immerse myself in the language.” (S.T.)

- Many Sardis Spanish 12 grads have been awarded internships, co-op work opportunities and practicum experiences in the following fields: medical, sciences, human services and international relations and development. Would you benefit from these incredible opportunities as well?
- Refine aural / oral communication abilities through filed trips, in class debates, discussions and films.
- Students will refine their understanding of the multi-cultural and political issues facing Hispanic cultures today by exposure to current literature and authentic documents.
- Gain a deeper appreciation of the historical Spanish influences in today’s Canadian and Hispanic societies by further exploring Hispanic art, music, and dance.
- This course satisfies graduation requirements for UBC’s B.A. programs. For complete information regarding degree requirements, go to <https://students.arts.ubc.ca/advising/degree-requirements/> see ‘2) Language’.

LA-INTRODUCTORY FRENCH 11

Prerequisite: None. **This course will not be offered after the 2018-2019 school year.**

- You didn't take French in Middle School? And now you realize that even UFV has a language requirement? Or maybe you just decided on a career with the federal government, the Military or RCMP, and French would be a good idea? Then Introductory French 11 might be the course for you!
- This course is for students with no previous French, or who have not taken French in many years.
- 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 French 10.

LA-INTRODUCTORY GERMAN 11

Prerequisite: None.

- Did you make a big mistake by not taking German 9 and 10? Well, we're all entitled to make mistakes. Luckily for you, there is Introductory German 11.
- Warning: this course is an intense combination of GE9 and GE10. If you are not academically strong, or if you wish to take your time and learn German properly, you should consider taking German 9 and 10 instead (yes, senior students may take a junior language course).
- Language is all about communication. By the end of this course you will be making yourself understood in German, using introductory listening, speaking, reading, and writing activities.
- You can't communicate without words, and you'll be learning over 800 of them, as well as introductory grammatical structures.
- Here's the really fun part: we get to experience some cultural aspects of German-speaking countries. This means field trips, food, movies, music, etc.
- Various assessment strategies are used to evaluate student progress (not just tests, but all sorts of creative assignments too).

LA-INTRODUCTORY SPANISH 11

Prerequisite: None.

- Coulda...woulda...shoulda taken Spanish 9 and 10, but didn't? It's not too late! This course is for you if need to fast track to Spanish 11 in one semester. Designed for senior students, junior students please refer to Spanish 9 and 10.
- Warning: this course is an intense combination of SP 9 and SP 10. Senior students should take the junior language courses (Spanish 9 and 10) for a more comprehensive and in-depth language learning experience.

"Spanish learning and speaking makes other academic courses easier (memory capacity, studying techniques, mathematical thinking)" (R.E.)

"It opens opportunities to study at universities in non-English speaking countries" (C.E.)

- Please refer to Spanish 9 and 10 for specific learning outcomes and methods used to teach language development. Movies, music and interactive-communicative games are the basis for class activities.

LA-LANGUAGES FOR TRAVEL 11

Prerequisite: None

- Would you like to travel to exotic places, but you're too worried about not understanding the language? Or maybe too scared of making a serious cultural mistake? Do you like learning about history, but don't like writing tests? Then this is the course for you!
- Introduction to several significant European languages, and 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.



FRENCH IMMERSION (LF)

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

LF-CIVILIZATIONS COMPAREES 12

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, and evolution of cultures.
- 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.

LF-FRANÇAIS LANGUE 09

Prerequisite: Français Langue FI

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

LF-FRANÇAIS LANGUE 10

Prerequisite: Français Langue 9

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

LF-FRANÇAIS LANGUE 11

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, and participation in French, as well as final oral exam worth 25%.



LF-FRANÇAIS LANGUE 12

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, and practice writing, as well as a study of various Francophone texts.

LF-FRANÇAIS LANGUE ET CULTURE 09

Prerequisite: Français Langue 8

- This course is a complimentary course to FRAL 9.
- Students will be engaged to advance their understanding of Francophone Literature, and Culture, from around the world.
- Rigorous use and development of the written and oral language will be at the center of the student's activity.

LF-HISTOIRE DE LA FRANCOPHONIE 11

Prerequisite: Sciences Humaines 10

- A panorama of literature and historical events as they related to the history of the global Francophone community.
- We will explore the geographical regions where French is a living language.
- Students will receive an overview of the different world cultures that now lend cultural diversity to the global Francophone identity.

LF-SCIENCES 09

Prerequisite: Science 8 (This course is taught in French)

- This course is offered as part of the Sardis Secondary French Immersion program.
- Focus is on the observation and understanding of the natural world.
- Chemistry section - students will learn about the nature of matter including atoms, ions and compounds.
- Life Sciences section - students learn about reproduction, beginning with cell division and introducing sexual and asexual methods.
- Electricity unit - develops concepts in static and current electricity. Includes series and parallel circuits, and power and energy usage.
- Ecosystems section - investigates the interactions of living things with their environments.

LF-SCIENCES HUMAINES 09

Pré requis: Sciences Humaines 8

- Social Studies 9 is a required course and will include content from 1750-1919.
- Students will inquire about how emerging ideas and ideologies profoundly influence societies and events; the physical environment influences the nature of political, social, and economic change; and, disparities in power alter the balance of relationships between individuals and between societies.
- This course is taught in French.



LF-SCIENCES HUMAINES 10

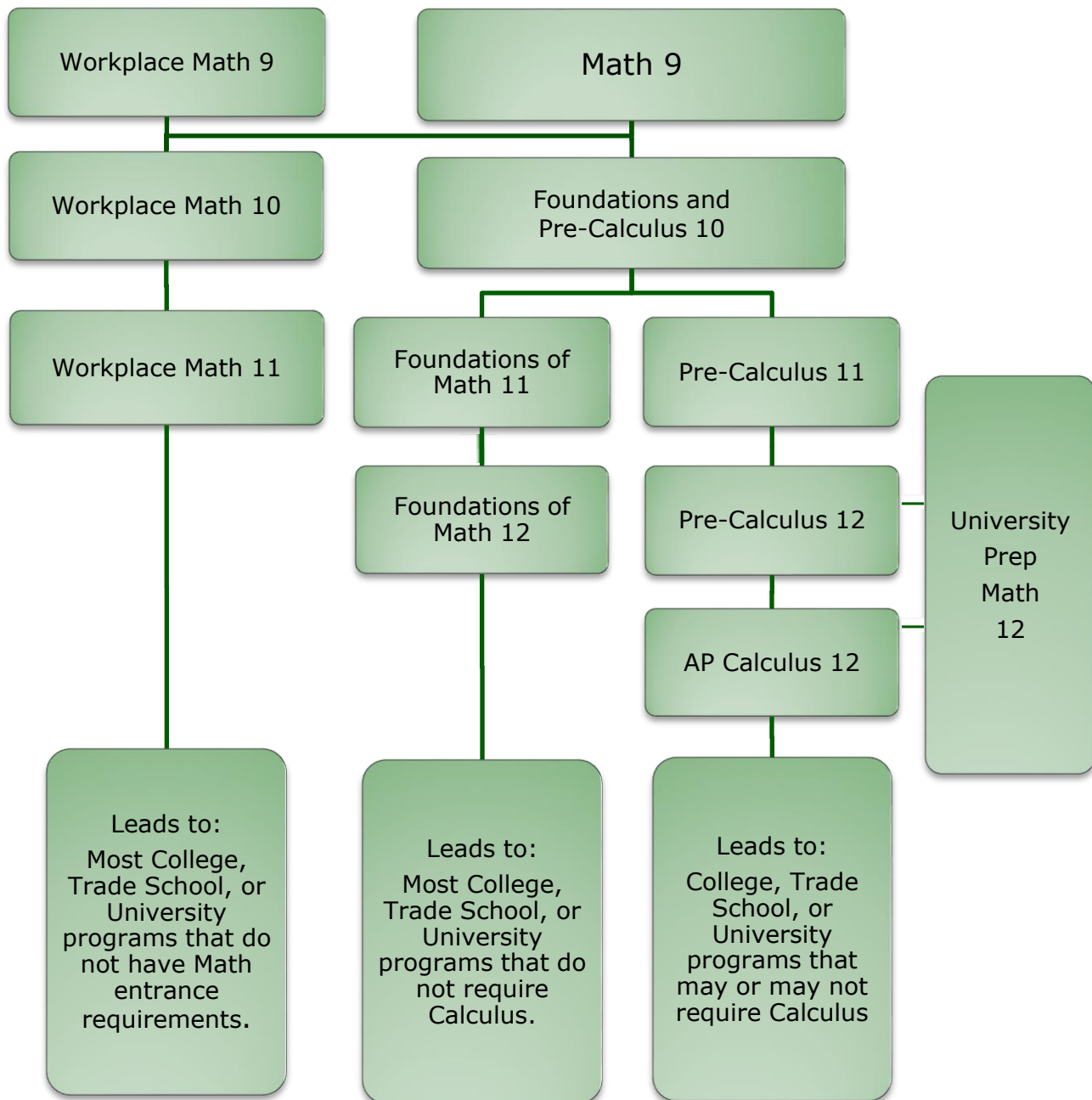
Prerequisite: Sciences Humaines 9 (C+ standing or better recommended.)

- Social Studies 10 is a required course for graduation.
- The area of focus is on Canada and the World from 1919 to present.
- Major themes: Global and Regional Conflicts, The development of Political Institutions, World Views and different perspectives, Historical and Contemporary Injustices.
- This course is taught in French.



MATHEMATICS (MA)

The Mathematics Department currently offers three math programs for grade 11 and 12: 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 Workplace Math 10. 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.**



MA-FOUNDATIONS & PRE-CALCULUS 10

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.

MA-FOUNDATIONS & PRE-CALCULUS 10 HONOURS

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.

MA-FOUNDATIONS OF MATH 11

Prerequisite: Foundations and Pre-Calculus Math 10

*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.



MA-FOUNDATIONS OF MATH 12

Prerequisite: Foundations of Mathematics 11

This course is intended 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 student's final mark.

MA-MATH 09

Prerequisite: Math 8

- Topics include Rational numbers, Exponent Laws, Polynomials, Solving Linear Equations, Scale diagrams, Probability, and Finance.
- Students taking this course can progress to Foundations and Pre-Calculus Math 10.

MA-PRE-CALCULUS 11

Prerequisite: Foundations and Pre-Calculus Math 10

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.

MA-PRE-CALCULUS 12

Prerequisite: Pre-Calculus 11

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.

MA-AP CALCULUS 12 AB

A comprehensive final examination worth 30% of the student's final mark.

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 \$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.

MA-WORKPLACE MATH 09

Prerequisite: Math 8

This course is designed for students who have difficulty with the more abstract concepts found in Math 8.

- Topics covered include integers, rational numbers, the measurement of 2-D and 3-D objects, geometry, and the basics of finance.
- Students taking this course will progress to Workplace Mathematics 10.
- The Workplace stream will lead to graduation but will not meet minimum university entrance mathematics requirements.

MA-WORKPLACE MATH 10

Prerequisite: Math 9

This course is 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 and Pre-Calculus Math 10.

- Topics covered include the metric and imperial systems, the measurement of 2-D and 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.

MA-WORKPLACE MATH 11

Prerequisite: Workplace Mathematics 10

- Practical math for students who experience difficulty with more abstract concepts found in Foundations of Math 11.
- Topics include slope and 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.

MA-UNIVERSITY PREP MATH

- 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.



MUSIC (MU)

MU-CONCERT BAND 09/10

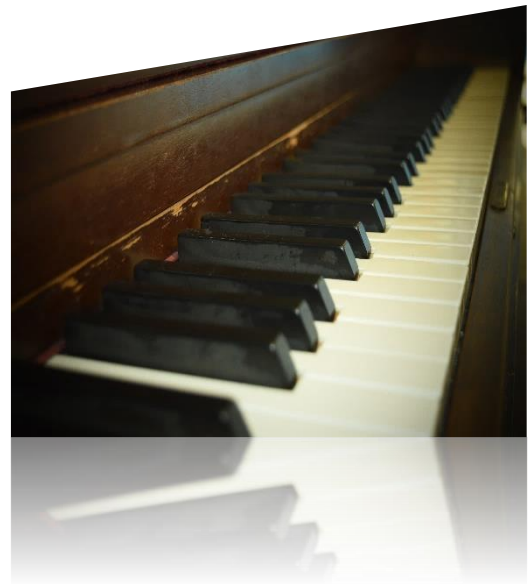
Prerequisite: Previous level of Band or permission of instructor.

- 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, and general effort.
- All performances are mandatory.
- Students are required to provide their own instrument or rent one from a music store.

MU-CONCERT BAND 11/12

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.



MU-CONCERT CHOIR 09 - 12

Prerequisite: None. Open to students from grades 9-12.

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

MU-DRUMLINE 09/10

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.

MU-DRUMLINE 11/12

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



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- 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.

MU-GUITAR 09/10

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.

MU-GUITAR 11/12

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.

MU-JAZZ BAND 09/10

Prerequisite: Audition. Students enrolling in Jazz Band must also enroll in Concert Band.

- 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.

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- 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.

MU-MUSIC COMPOSITION 11/12

Prerequisite: None

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



MU-RECORDING ARTS 11/12

Prerequisite: None, grade 10's may also apply.

- This course will provide a hands-on overview of the professional music industry and the ins and outs of recording with digital media.
- Look at the development and evolution of recorded audio in society.
- Emphasis on many aspects of music including musical composition and sound for motion pictures.
- Using computer-based recording techniques, students will be taking a hands-on approach to music creation. Here each student will be able to produce their own recordings.
- At the end of the course, students will have their own fully produced digital portfolio or EP.

MU-SMALL ENSEMBLE 09 - 12

Prerequisite: None. Open to students from grades 9-12.

Dixie Band, Funk Band, Rock Band, Guitar Trio, Woodwind/Brass/Percussion Ensemble, Jazz Trio, Vocal Ensemble etc...

- Student created, directed and performed; teacher assessed and guided.
- The teacher coaches in performance, literature, and booking practices.
- Students must seek performance opportunities in the community and perform monthly at the school for their course credit.
- Meets outside the timetable.

MU-STRING ORCHESTRA 09 - 12

Prerequisite: At least one year of musical instruction required. Open to students from grades 9-12.

- 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.

MU-VOCAL JAZZ 09/10

Prerequisite: Audition. Students enrolling in Jazz Band must also enroll in Concert Choir.

- 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.

MU-VOCAL JAZZ 11/12

Prerequisite: Audition. Students enrolling in Jazz Band must also enroll in Concert Choir.

- 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 (PA)

PA-BROADCAST MEDIA PRODUCTION 10

Prerequisite: None

- Focus on the basic techniques of live performance audio, video, lighting, as well as video production, and television broadcasting.
- Students will apply the knowledge, skills, and attitudes gained from the course to produce videos and television broadcasts, and provide technical support for all live performances within the school.
- Students will use media based programs to produce some of their projects.
- Evaluation on project work, production work, equipment management, and self-management.

PA-BROADCAST MEDIA PRODUCTION 11

Prerequisite: Broadcast Media Production 10 recommended, but not required.

- A continuation of the Broadcast Media Production program established at the grade 10 level.
- Develop a concentration in one or more of the following areas: audio technologies, lighting technologies, video production technologies, and television broadcasting technologies.
- Select projects will allow student to work in their chosen concentration areas.
- Students will provide technical support for all live performances within the school and within the community in the areas of audio, video, and lighting
- Students will use media based programs to produce some of their projects.
- Evaluation is on project work, production work, equipment management and self-management.

PA-BROADCAST MEDIA PRODUCTION 12

Prerequisite: Film & Television 11 or Broadcast Media Production 11

- Exploring areas of television, multimedia production, digital media, podcasts, storytelling, radio, and broadcast production.
- Based on prerequisite course history, students will have choice in areas explored.
- Students will continue to provide technical support for all live performances within the school and live performances within the community in the areas of audio, video, and lighting.
- Select projects allow students to work in areas of media production.
- Hands-on and interactive learning situated in a rich spectrum of knowledge and skills
- Students will use media based programs to produce some of their projects
- Evaluation is on project work, production work, equipment management, and self-management.

PA-CHOREOGRAPHY 11/12

Prerequisite: Dance Foundations 11 / 12, and permission of instructor

- Exploration of the elements of movement within choreographic structures.
- Focus on kinesthetic and spatial awareness, and principles of design.
- Describe, interpret, and analyze dance techniques and works using dance notation.
- Learn techniques of effective lesson planning as well as procedures to prevent injury or harm to self and others.
- Acquire and refine creative, collaborative, and leadership skills through practical teaching experiences both within the class and in other venues.
- Note: This course runs independently within the Dance Foundations 9/10 or 11/12 classes. Course is individualized and requires the completion of a Dance Portfolio.



PA-DANCE FOUNDATIONS 09

Prerequisite: None

- Introduction to the elements of movement (body, space, time, dynamics and relationships) and movement principles.
- Introduction and progression through a variety of dance technique.
- Interaction, reflection, and response to choreographic structures.
- Introduction of historical, social, and traditional perspectives of dance.
- Genres of performance pieces will vary semester to semester.
- Projects and tasks will vary based on Dance Foundations 9 or 10.
- Note: There is a mandatory final performance.

PA-DANCE FOUNDATIONS 10

Prerequisite: None

- Introduction to the elements of movement (body, space, time, dynamics and relationships) and movement principles.
- Introduction and progression through a variety of dance technique.
- Interaction, reflection, and response to choreographic structures.
- Introduction of historical, social, and traditional perspectives of dance.
- Genres of performance pieces will vary semester to semester.
- Projects and tasks will vary based on Dance Foundations 9 or 10.
- Note: There is a mandatory final performance.

PA-DANCE FOUNDATIONS 11/12

Prerequisite: Dance Foundations 10 recommended.

- Further exploration of the elements of movement (body, space, time, dynamics, and relationships) and movement principles.
- Progression in technique and application of technique to choreography.
- Interaction, reflection, and response to choreography structures, including a project with the goal of creating/learning choreography and teaching it to peers.
- Further exploration of historical, social, and traditional perspectives of dance.
- Genres of performance pieces will vary semester to semester.
- Projects and tasks will vary based on Dance Foundations 11 or 12.
- Note: There is a mandatory final performance.



PA-DRAMA 09

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.

PA-FILM & TELEVISION 09

Prerequisite: None

- Focus on learning the basic techniques of video production.
- Begin learning the essentials of video camera operation and storytelling.
- Gain experience with non-linear editing systems and other media based programs.
- Basic techniques in lighting and sound for live performance will also be a focus.
- A variety of assignments will reinforce these concepts so that the student's work becomes polished.
- At appropriate times during the course, video and media concepts will be discussed and explored.
- Evaluated on project work, assignments, equipment management, and self-management.

PA-FILM & TELEVISION 10

Prerequisite: Film & Television 9 recommended, but not required.

- Student groups experience the whole process of film making (in front of & behind the camera), as they produce several short films.
- 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.

PA-FILM & TELEVISION 11

Prerequisite: Film & Television 10

- Focus on exploring various genres of film and television.
- Select stories to tell and develop within different genres.
- Develop treatments, storyboards, and scripts that illustrate student 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 is on project work, production work, equipment management, and self-management.

PA-FILM & TELEVISION 12

Prerequisite: Film & Television 11

- Focus on exploring independent film.
- Select stories to tell and develop for independent film.
- Development of treatments, storyboards, and scripts that illustrate student's grasp of screen language and the utilization of the artistic components for independent film.
- After compiling a shot list and filming, students will use non-linear computer based editing to produce their film.
- Evaluation is on project work, production work, equipment management, and self-management.



PA-THEATRE PRODUCTION 09

Prerequisite: None

- Introduction to technical theatre.
- Participation in all aspects of technical theatre (stage management, lighting design and operation, set design and construction, sound design, 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).

PA-THEATRE PRODUCTION 10

Prerequisite: Theatre Production 9

- Participation in all aspects of technical theatre (stage management, lighting design and operation, set design and construction, sound design, 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).

PA-THEATRE PRODUCTION 11

Prerequisite: Theatre Production 10

- A continuation of the drama support program established at the grade 10 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).

PA-THEATRE PRODUCTION 12

Prerequisite: Theatre Production 11

- A continuation of the drama support program established at the grade 11 level.
- 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, and tech crew.
- Evaluation: 50% project work, test scores, and assignment completion; and 50% for attitude (dependability, reliability & work habits).

PA-THEATRE PRODUCTION 12: DIRECT/WRITE

Prerequisite: Previous performance course

- The study, writing, and performance of student-written scripts.
- Look at major playwrights through theatre history.
- Students must be prepared to write, act, and direct.

PA-THEATRE & PERFORMANCE 10-12

Prerequisite: Drama 9

- 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%.



PA-MUSICAL THEATRE 09-12*

*This course is not available in course selections. You must audition for admission to this course.

Prerequisite: By audition only - open to Grades 9-12. This is an advanced multi-art course 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**

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 following the audition phase in late spring.



PHYSICAL EDUCATION (PE)

PE-FITNESS & CONDITIONING 11

Prerequisite: Science 10 & Physical and Health 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.

PE-FITNESS & CONDITIONING 12

Prerequisite: Fitness and Conditioning 11 and permission from instructor

- Combines daily physical activity (cardio, strength & flexibility) with the study of exercise physiology.
- Students will participate in a variety of fitness classes (aerobics, step, kickboxing, bootcamp, pilates, yoga).
- Students will develop an exercise program based on the YMCA Basic Theory Course (Healthy Lifestyles, Anatomy and Physiology, Movement Mechanics, Principles of Training, and Exercise Analysis and Design).
- Students will evaluate a variety of sources of health information/fitness myths and fads
- 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-HEALTH SERVICES 11

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.

PE-HEALTH SERVICES 12 A / PE-HEALTH SERVICES 12 B

Prerequisite: There is a high level of expectation for this program. Students must complete an application form that lists all of the suggested prerequisites <http://bit.ly/2ndFWzg>.

For the 2018/2019 school year, there will be a course fee of \$380.

- This course prepares students for the EMR certification in partnership with the Justice Institute of BC. Assessment will follow Justice Institute criteria including written exams, practical exams, and minimum attendance of 90%.
- Students must take both Health Services 12A – EMR and Health Services 12B – EMR Independent Study Course concurrently to prepare for the written exam. This will only take one block in your timetable but is enough work for two full courses!
- The Emergency Medical Responder certification is a qualification necessary for Paramedics, recommended for Firefighters, and helpful for anyone looking to enter a Medical Profession.
- A separate government-licensing exam is required if going directly to the workforce with this qualification.
- Some classes will take place at the Justice Institute – Chilliwack Campus.

PE-PE 10 ALTERNATE DELIVERY

- 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.



PE-PE ACTIVE LIVING 11

Prerequisite: A passing grade in Physical & Health Education 10

- 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.

PE-PE ACTIVE LIVING 12

Prerequisite: A passing grade in Active Living 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.

SPECIALIZED PE PROGRAMS AND ACADEMIES

PE-PE BASKETBALL 10-12 (AM)

Prerequisite: Application required

- This class runs beginning at 7:00 am.
- PE 10 Basketball fulfills the prescribed graduation requirement for Physical Education 10.
- Designed for high-level athletes in grades 10, 11 & 12 who wish to continue their training regime through a sport specific program.
- This course will assist students in building Basketball specific skills such as individual skills, team formations, and tactical awareness.
- Supplemented with plyometric, sport specific weight training, agility and core training, aerobic and anaerobic training.
- **No extra tuition fee is charged for PE Basketball.**

PE-PE FOOTBALL 09-11 (AM)

Prerequisite: Application required.

- PE 9 Football fulfills the prescribed requirements for Physical Education 9
- PE 10 Football fulfills the prescribed graduation requirement for Physical Education 10
- PE 11 Football fulfills the prescribed graduation requirement for Physical Education 11
- Designed for high-level athletes in grades 9-11 who wish to continue their training regimen through a sport specific program.
- This course will assist students in building Football specific skills such as: individual skills, team formations, and tactical awareness.
- Supplemented with plyometric, sport specific weight training, agility and core training, aerobic, and anaerobic training.
- No extra tuition fee is charged for PE Football.

This course will run early mornings 6:30 am to 8:00 am Tuesday and Thursday (all year) and Monday and Wednesday afterschool 3:00 pm to 4:30 pm September to November.

Golf Academy

PE-PE GOLF SKILLS 09-12 / PE-PE GOLF THEORY 09-12 (2 COURSES TO SELECT, 2 BLOCKS IN TIMETABLE)

Prerequisite: Application and Tuition Fee. Open to students in grades 9 through 12.

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.

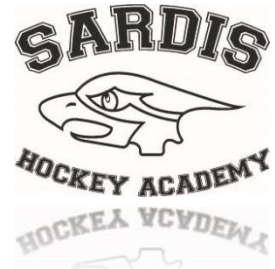
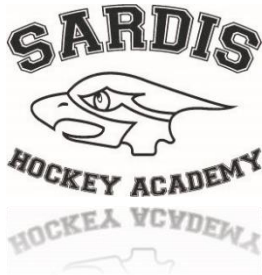


- Increase participant awareness of the benefits of nutrition on sport performance.
- Provide the student and parent/guardian with evaluations of personal performance.
- Class is held at Chilliwack Golf & Country Club. Participants are required to purchase a Junior Membership at Chilliwack G&CC.
- Head instructor: Tom MacIsaac. Application for download at www.sardissecondary.ca.



Hockey Academy

PE-PE HOCKEY SKILLS 09-12 / PE-PE HOCKEY THEORY 09-12 (2 COURSES TO SELECT, 2 BLOCKS IN TIMETABLE)



Prerequisite: Application & Tuition Fee. Open to students in grades 9 through 12.

Hockey skills development program is for students who have a passion for hockey. This is a linear program, students will participate in three on-ice and two off-ice development sessions per week from September – June.

- 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 Application for download at www.sardissecondary.ca.
- PE 10 and/or Planning 10 course requirements may be met within the program.
- Students will demonstrate athletic, academic and personal growth.

PE-PE LEADERSHIP 09-12

Prerequisite: A "B" grade or higher in previous Physical Education Courses. Open to students in grades 9 through 12.

- 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-PE SOCCER 09–12

Prerequisite: Application required. Open to students in grades 9 through 12.

- PE 9 Soccer fulfills the prescribed learning requirements for PE 9.
- PE 10 Soccer fulfills the prescribed graduation requirement for Physical Education 10.
- Designed for all levels of athlete in grades 9 -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, and tactical awareness. Supplemented with plyometric, sport specific weight training, agility and core training, aerobic and anaerobic training.
- **No extra tuition fees are charged for PE Soccer.**



PE-PHYSICAL & HEALTH EDUCATION 09

Prerequisite: Physical Education 08

- PE 9 is an extension of PE 8, exposing students to a wide range of activities.
- Activities are generally presented in three or four week units.
- Students will learn basic skills, techniques, and game strategies during each selected activity.
- Drills, lead-up games, competitions, and class tournaments will be used to development these skills.
- In addition, a working knowledge of game rules will be emphasized.
- Cardiovascular activities will form an integral part in most class periods.
- Evaluation will focus on fitness, skills, effort, participation and sportsmanship. Active participation is required of all students.

PE-PHYSICAL & HEALTH EDUCATION 10

Prerequisite: A passing grade Physical & Health Education 09

- 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-STRENGTH & CONDITIONING 11/12

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 a 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.

PE-STRENGTH & CONDITIONING 11/12 (AM)

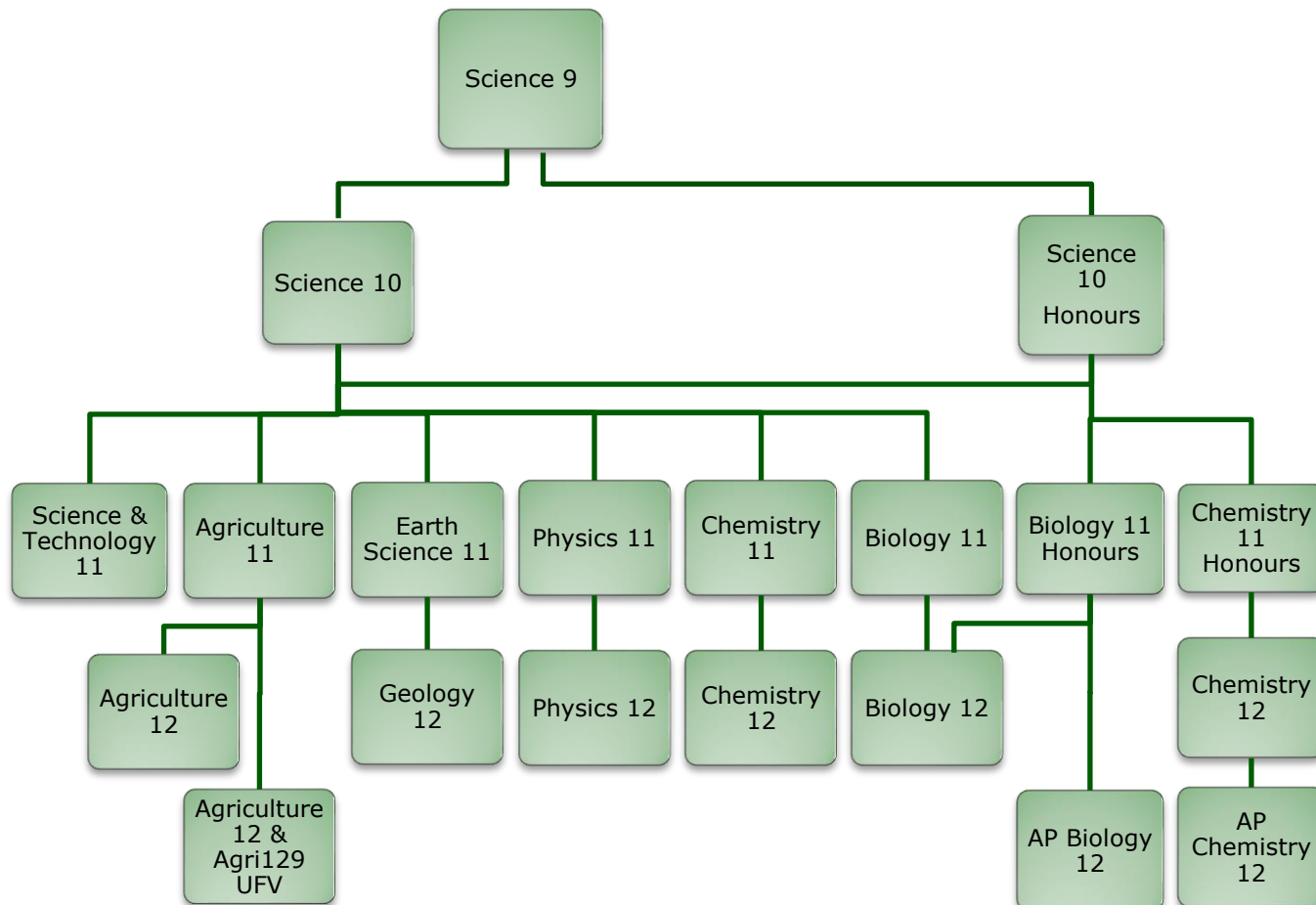
Prerequisite: A 'B' grade in the previous Physical Education course and a high level of personal motivation.

THIS CLASS RUNS EVERY DAY, BEGINNING AT 7AM

- Designed to prepare students to achieve short term strength & conditioning goals as part of a 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 option is for elite athletes that want to add to their current training program OR students that are committed to a healthy, active lifestyle, but due to timetable restraints are not able to schedule it into their regular course load.



SCIENCE (SC)



SC-AGRICULTURE 11 (SUSTAINABLE RESOURCES)

Prerequisite: Science 10 or teacher recommendation.

- This course is designed to teach concepts around food production using hands-on methods, primarily at the school greenhouse. Students will learn skills in growing food in the SSS Greenhouse (peppers, tomatoes, cucumbers), growing field crops at the SSS Farm, and growing flowers in the SSS Greenhouse. Students will also learn about animal agriculture through field trips and guest speakers. Students can expect roughly 50% theory and 50% doing hands-on activities in the greenhouse or at the farm. Topics will include the sustainability of agriculture, forestry and fisheries in BC.

SC-AGRICULTURE 12 (SUSTAINABLE RESOURCES)

Prerequisite: Science 10 or teacher recommendation. Agriculture 11 or summer program must be completed before Agriculture 12.

- This course is an extension of Agriculture 11. Students will be given greater responsibility in managing aspects of the SSS Greenhouse and the SSS Farm. They will be included in crop planning, managing sales of produce, and spend time learning about current global issues in the world of agriculture and food production. As in Agriculture 11, a large component of this class will be learning through hands-on methods that complement the theory learned in class.



SC-AGRICULTURE 12 (DOUBLE BLOCK-COMBO)

- This course will be offered over both morning blocks for the entire semester, allowing students to complete 2 grade 12 courses and a first year UFV Agriculture course (subject to approval). This course is created for students who have a passion for agriculture and who have excelled in Ag 11 or the summer agriculture program. Students will spend a large component of their time at the SSS Farm planning, implementing and managing crops and working on the CSA program offered by the Ag program. Students will do a project that coincides with their passions in agriculture in either: pest management, crop planning, or the business of agriculture. There is also an opportunity to partner with UFV to give students a head-start in their post-secondary agriculture education.

SC-BIOLOGY 11 - LIFE SCIENCES

Prerequisite: Recommended Science 10 with a 'C' or better.

- Survey course of the 5 Kingdoms found in nature, viruses & bacteria, classification and evolution.
- Lab based course with labs worth 25% of the course.
- Dissection of earthworms, crayfish, frogs, and others.
- Evaluation is based on tests, labs, assignments and a final exam.

SC- BIOLOGY 11 HONOURS

Prerequisite: Science 10 Honours with B average or higher, or Science 10 teacher recommendation.

- Expect demanding course content and to enroll in AP Biology the following year. The content of this course will continue in AP Biology.
- Core Topics: genetic makeup of populations; growth, reproduction, and maintenance of living systems; processing of genetic information, nutrient cycles, origin of living systems in nature.
- Typical activities: Laboratory experiments, lectures, and assignments.
- Evaluation: 60% tests, 20% quizzes, 20% labs (may vary by teacher). Final exam is 30% of the student's final grade.

SC-BIOLOGY 12 - ANATOMY & PHYSIOLOGY

Prerequisite: Biology 11 with a 'C+'

- Topics include Human Anatomy/Physiology (Digestion, Cardiovascular, Respiratory, Urinary, Nervous, & Reproduction), Cytology, Biochemistry, and Protein Synthesis.
- Evaluation is based on tests/quizzes (80%) and assignments (20%) and a final exam.
- Students should have strong reading and comprehension skills.

SC-AP BIOLOGY 12

Prerequisite: Honours Biology 11 with a C+ average or higher.

- Designed to be equivalent to a first year college general biology course.
- Contributes to development of a student's abilities to think clearly and express ideas orally and in writing, with clarity and logic.
- Course is a continuation of Honours Biology 11.
- Content: Feedback mechanisms; growth and homeostasis; cellular and molecular mechanisms; transmission of information between biological systems.
- Typical Activities: Laboratory experiments, lectures, and assignments.
- Evaluation: 40% tests, 20% quizzes, 35% labs. Optional AP Exam costs may be required.

SC-CHEMISTRY 11

Prerequisite: Science 10 and Foundations of Math & Pre-Calculus 10 with a C+ average or higher.

- Recommended that Pre-Calculus 11 be taken concurrently with this course. Course content is demanding.
- Core Topics: Atoms and Molecules; The Mole; Chemical Reactions; Solution Chemistry; Introduction to Organic Chemistry.
- Typical Activities: In-class activities, laboratory experiments, lectures, demonstrations, and assignments.
- Evaluation: 60% exams, 20% quizzes, and 20% labs (may vary by teacher). Final exam is worth 30% of the student's final grade.

SC-CHEMISTRY 11 HONOURS

Prerequisite: Science 10 Honours & Foundations of Math and Pre-Calculus 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: Atoms and Molecules; The Mole; Chemical Reactions; Solution Chemistry; Introduction to Organic Chemistry.
- Expanded Topics: Quantum Numbers; Molecular Geometry; Chemistry of Transition Metals; Complex Ions.
- Typical Activities: In-class activities, laboratory experiments, lectures, demonstrations, and assignments.
- Evaluation: 60% exams, 20% quizzes, and 20% labs (may vary by teacher). Final exam is 30% of the student's final grade.

SC-CHEMISTRY 12

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: In-class activities, laboratory experiments, lectures, demonstrations and assignments.
- Evaluation: 60% Exams, 20% quizzes, 10% Labs, and 10% assignments (may vary by teacher). Final exam is 30% of the final grade.



SC-AP CHEMISTRY 12

Prerequisite: Honours Chemistry 11, Chemistry 12 (may be taken concurrently), 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 and 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: In-class activities, laboratory experiments, lectures, demonstrations, and assignments.
- Evaluation: 30% exams, 35% quizzes, 35% labs. Optional AP Exam costs \$115.00.

SC-EARTH SCIENCE 11

Prerequisite: Science 10

- A recommended prerequisite for Geology 12 and Geography 12.
- An introductory course that explores a variety of fields including Physical and Historical Geology (including plate tectonics and resource use), Astronomy and Oceanography.
- Activities: lectures, demonstrations, field trips, labs, assignments, & projects (eg. 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, earthquakes, tsunamis, global warming, flooding, mountain building, etc.)
- Evaluation is based on tests, quizzes, daily assignments and labs & projects.

SC-GEOLOGY 12

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.
- Big Ideas: Earth Materials, Geological Time, Plate Tectonic Theory, Deformation & Mapping and Surface Processes & the Hydrosphere.

SC-PHYSICS 11

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.

SC-PHYSICS 12

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.

SC-SCIENCE 09

Prerequisite: Science 8

Big Ideas:

- Cells are derived from cells.
- The electron arrangement of atoms impacts their chemical nature.
- Electric current is the flow of electric charge.
- The biosphere, geosphere, hydrosphere, and atmosphere are interconnected, as matter cycles and energy flows through them.
- Typical activities: lectures, projects, demonstrations, and labs.

SC-SCIENCE 10

Prerequisite: Science 9

- Core topics: Processes of Science, Genetics, Chemical Processes, Energy, Formation of the Universe
- Typical activities: lectures, projects, demonstrations and labs
- Evaluation: 60% exams, 20% quizzes and 20% labs (may vary by teacher)
- Final Exam: 20% of final mark (may vary by teacher)



SC-SCIENCE 10 HONOURS

Prerequisite: Science 9

- Students will be selected for admission based upon Science 10 Honours Application Process.
- Core topics: Processes of Science, Genetics, Chemical Processes, Energy, Formation of the Universe.
- 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).
- Final Exam: 20% of final mark (may vary by teacher).

SC-SCIENCE & TECHNOLOGY 11

Prerequisite: Science 10 or instructor permission

- This course is designed to be practical, hands-on and a fun approach to Science with theory components.
- 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, Transportation & Forensics.



SOCIAL STUDIES (SS)

SS-20TH CENTURY WORLD HISTORY

Prerequisite: Social Studies 10

Formerly HISTORY 12, this course is available to all grade 11 and 12 students, and fulfills your Socials 11 requirement.

- Major global conflicts, concluding World War I, World War II, and the Cold War
- Civil Wars, independence movements, and revolution
- Religious, ethnic, and /or cultural conflicts, including genocide and democide (mass murder) in blood lands of Europe, Africa
- Social and Cultural developments in the 20th Century.
- Genocide in the 20th Century
- This course relies on extensive film studies, both documentary and historical fiction, studying events that have shaped our world today.

SS-BC FIRST PEOPLES 12

Prerequisite: Social Studies 10

- Interconnection of family relationships, language, culture and the land (story, oral tradition, culture, economics, etc.)
- Factors that challenge the identity and views of indigenous people.
- The resilience and survival of indigenous peoples through colonialism.
- Community and economic development.
- Explore relationships and policies with governments across the globe (Indian Act, Aboriginal Acts, Exclusion Acts, Residential Schools and Reconciliation, etc.)
- Treaty relations (historical and contemporary).
- Political Activism - - the resistance of BC First Peoples from colonialism through the early 21st Century.
- Role and significance of media in challenging and supporting the continuity of culture, language, and self-determination.
- Commonalities and differences between traditional and contemporary BC First Peoples governance systems.
- Impact of historical exchanges of ideas, practices, and materials among local BC First Peoples and with non-indigenous peoples.
- Provincial and federal governmental policies and practices that have affected, and continue to affect, BC First Peoples responses to colonialism.



SS-HUMAN GEOGRAPHY 12

Prerequisite: Social Studies 10

- Explore how humans interact with the world in terms of space and place.
- Study many fields including culture, religions, the economy, urbanization, and politics.
- Look at population sizes and locations and why people settle where they do.

SS-LAW 12

Prerequisite: Social Studies 10

- 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.

SS-PHILOSOPHY 12

Prerequisite: Social Studies 10

Philosophy is a discipline that:

- Examines the fundamental nature of knowledge, reality, and existence.
- Provides tools for investigating meaning and fostering understanding of different ways of thinking.
- Examining questions in philosophy allows people to question their assumptions and better understand their own beliefs. This course will use various resources to examine and evaluate the differing perspectives people have regarding essential questions of truth, reality, and existence.

SS-PHILOSOPHY 12A

Prerequisite: 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.



SS-POLITICAL STUDIES 12

Prerequisite: Social Studies 10.

This course was formerly Civics 11 and is **available to all grade 11-12 students; it counts as your Social Studies 12 graduation requirement.**

- Explore the power relationships between citizens, government, and other bodies in the creation of public policy.
- Throughout the course, students will examine the structure and function of Canadian and First Peoples political institutions; major ideologies and political systems; and our election processes and electoral systems.

SS-SOCIAL STUDIES 09

Prerequisite: Humanities 8 or Social Studies 8

- Social Studies 9 is a required course and will include content from 1750-1919.
- Students will inquire about how emerging ideas and ideologies profoundly influence societies and events; the physical environment influences the nature of political, social, and economic change; and, disparities in power alter the balance of relationships between individuals and between societies.

SS-SOCIAL STUDIES 10

Prerequisite: Humanities 9 or Social Studies 9

- Social Studies 10 is a required course for graduation.
- The area of focus is on Canada and the World from 1919 to present.
- Major themes: Global and Regional Conflicts, The development of Political Institutions, World Views and different perspectives, Historical and Contemporary Injustices.

SS-SOCIAL STUDIES 11 EXPLORATORIES - HONOURS

Prerequisite: Social Studies 10 with minimum "B" average

- This survey course will explore four distinct disciplines within the field of Social Sciences.
- Topics may include: human geography, world religions, world history, social justice, urban studies, genocide studies, philosophy, or political studies.
- Students who take this course must commit to taking at least two grade 12 Social Studies courses before graduation, one in grade 11 and one in grade 12. The combined three courses will result in a Humanities Honours certificate.

SS-SOCIAL JUSTICE 12

Prerequisite: Social Studies 10

- Uses a variety of interpretations and concepts of Social Justice.
- Includes issues such as equality, ethics and social responsibility.
- Other areas of inquiry include connections between Politics, Government, and Religion on past and present Social Justice Issues in Canada and the world.
- This class also looks at issues of poverty, race, and other marginalized groups.



STUDENT SERVICES (ST)

ST-ABORIGINAL SUPPORT

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.

ST-ENGLISH LANGUAGE ACQUISITION 10, 11, 12

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.

ST-LAR 10, 11, 12 (LEARNING ASSISTANCE REMEDIAL)

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.



ST-LEARNING ASSISTANCE/STRATEGIES 10, 11 & 12

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.

ST-SPECIAL NEEDS CONSTRUCTION ART

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.

ST-SPECIAL NEEDS HOMEMAKING

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.

ST-SPECIAL NEEDS HUMANITIES

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.

ST-SPECIAL NEEDS MATH/SCIENCE

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.

ST-SPECIAL NEEDS PHYSICAL EDUCATION

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.

ST-SPECIAL NEEDS PRACTICAL ARTS

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.

ST-SPECIAL NEEDS RETAIL

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.

ST-SPECIAL NEEDS SOCIAL SKILLS

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.

ST-SPECIAL NEEDS WORK SITE PREPARATION

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.





TT-TRADES AND TECHNOLOGY

Automotive

TT-AUTOMOTIVE TECHNOLOGY 11

Prerequisite: None

- Learn money saving techniques.
- An introduction to automotive maintenance and repair using diagnostic equipment.
- 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.

TT-AUTOMOTIVE TECHNOLOGY 12

Prerequisite: Automotive Technology 11 with 65% or higher, or with instructor permission.

- Continuation of material learned in Automotive Technology 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.
- 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 12 Drivetrain.



TT-AUTOMOTIVE TECHNOLOGY 12: BODY (REPAIR AND FINISH)

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 fiberglass 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%.

TT-AUTOMOTIVE TECHNOLOGY 12: DRIVETRAIN

Prerequisite: Automotive Technology 11. This course must be taken in conjunction with Automotive Technology 12.

- Learn high-level engine diagnostic repair and diagnostic procedures.
- Discover the world of aftermarket performance parts and the effects they can produce.
- Get in depth knowledge of automatic and standard transmissions.
- Gain experience and knowledge with hybrid and electric vehicle technology.
- This is a high-level course designed for students who wish to gain a better understanding of less understood aspects of automotive technology.

TT-TRAIN IN AUTOMOTIVE

(PREVIOUSLY ACE-IT)

UFV DUAL CREDIT - GRADE 12 – SEMESTER 2

Prerequisite: Automotive Technology 11

- This course is run in conjunction with the UFV Trades and Tech campus.
- Students will be required to complete level A and B here at Sardis Secondary in the first semester, and level C-F at UFV in the second semester.
- Attendance and punctuality are required; only serious students should apply. Once completed, this training provides excellent job opportunities.
- Students receive a certificate of completion from UFV and, if they pass the ITA exam at the end of the course, they will receive a level 1 apprenticeship credit from the ITA.



Computer Assisted Drafting and Design (CADD)

AutoCAD is our software of choice which has established itself as the industry standard CADD program. Our 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

TT-INTRODUCTORY DRAFTING & DESIGN 10

Prerequisite: None. Open to grade 9-10 students.

- This introductory course is a lead in to prerequisite courses and other subsequent Drafting and Design courses at SSS.
- Provides knowledge and insight to the Core Competencies required in Drafting and Design.
- Learn the art of communication of ideas to present objects in a variety of views in order to create effective working drawings.
- Techniques like oblique, isometric, and point perspectives are taught to create depth perception, and 3D presentations of objects with great effect.
- Explore the possibilities of the effect of light, colour, and mixture of textures in buildings and architecture.
- Students will explore the world of CAD (Computer Assisted Drafting) through programs like Auto CAD.
- This course will also introduce the student to the relevance of computer programs in the wood production industry as they produce shapes with the programmable CNC router.
- Student will get the opportunity to use 3D printers and use the full-scale plotter to produce architectural drawings.
- Evaluation is based on the quality and quantity of completed assignments consisting of practical drawings and assignments.

TT-INTRODUCTORY DRAFTING & DESIGN 11

Prerequisite: None. Open to grade 10-12 students.

- This introductory course is the prerequisite for subsequent Drafting & Design 12 courses.
- Designed to provide knowledge of the Core Competencies of the Drafting Technician programs at British Columbia Colleges and Technical Institutes.
- Will prepare students for careers in engineering, architecture, construction, industrial design, graphics.
- Uses current, industry standard computer drafting software "AutoCAD" to produce drawings used in technical communications.
- 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.
- Students have the opportunity to use our full-scale plotter for architectural drawings, our Vinyl cutter & Heat press for graphic design and our 3D print for 3D modeling.
- Evaluation is based on quality and quantity of completed assignments consisting of mostly practical drawings.

TT-DRAFTING & DESIGN 12: ARCHITECTURE LEVEL 1

Prerequisite: Introductory Drafting & Design 10/11

- This is the first of three closely related levels of Architectural Style Drafting & Design.
- This course will appeal to those interested in home building trades and architecture.
- Basic Canadian & B.C. Building Code will be covered along with design strategy and technique.
- Assignments and evaluation are based on manually drafted & CADD generated drawings: designing a full-size house focusing on floor plan layout and section views.
- Evaluation is based on quality and quantity of completed assignments consisting of mostly practical drawings.

TT-DRAFTING & DESIGN 12: ARCHITECTURE LEVEL 2

Prerequisite: Drafting & Design 12: Architecture Level 1

- This is the second of three closely related levels of Architectural Style Drafting & Design.
- This course will appeal to those interested in further increasing their knowledge of home building and Architectural fields.
- In depth Canadian & 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.
- 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; & elevations.
- Assignments and evaluation are based on manually drafted & CADD generated drawings.
- Evaluation is based on quality & quantity of completed assignments consisting of mostly practical drawings.

TT-DRAFTING & DESIGN 12: ARCHITECTURE LEVEL 3

Prerequisite: Introductory Drafting & Design 10/11

- This is the third of three levels of closely related Architectural Style Drafting & Design.
- 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.

TT-DRAFTING & DESIGN 12 A

MECHANICAL DESIGN & ENGINEERING LEVEL 1

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.

TT-DRAFTING & DESIGN 12 B

MECHANICAL DESIGN & ENGINEERING LEVEL 2

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 and Welding

TT-METAL 09/10

Prerequisite: None – this course is open to Grade 9-10 students.

- A hands-on entry-level course open to and recommended for all students.
- Metal 10 completes the necessary pre-requisites of Train in Welding.
- 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 welding & cutting.
- 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.



TT-METAL 11

Prerequisite: None for students in Grades 11-12, Metal 10 for students in Grades 9-10.

- A hands-on entry level course open to all grade 11 & 12 students, and any in grade 9 or 10 who have completed Metal 10.
- Metal 11 completes the necessary pre-requisites of Train in Trades Welding.
- Metal 11 is a beginner's Metal course which expands, and continues the skills learned in Metal 10 with greater emphasis on Arc welding, including GMAW and Plasma Arc Cutting and accuracy of machining.
- Students are required to complete certain mandatory skill builders; however, more time is available for personal projects and skill builder modification.
- Costs: Only for materials beyond those required to meet the learning outcomes for the course.

TT-METAL 12

Prerequisite: Metal 11

- 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.
- Incorporation of non-metal-related material in metal projects.
- Students may concentrate on welding, metal fabrication, sheet metal, machining, or a combination of these skills.
- Costs: Only for materials beyond those required for the course.

TT-MACHINING AND WELDING12

Prerequisite: Metal 12

- Primarily a self-directed course for students entering a machining, fabricating, or welding 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.

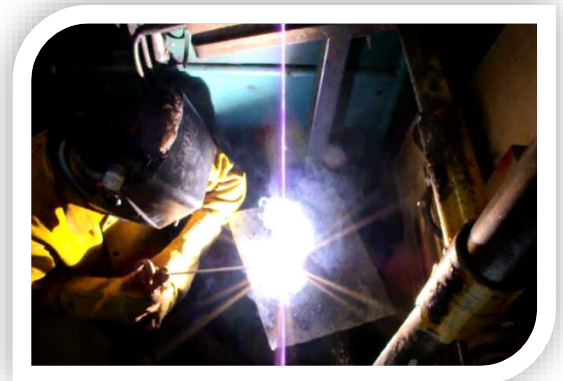
TT-TRAIN IN WELDING

(FORMERLY ACE-IT)

UFV DUAL CREDIT – GRADE 12 SEMESTER 2

Prerequisite: Metal 10 or Metal 11

- In partnership with the University of the Fraser Valley, Sardis Secondary is offering the British Columbia Welding Foundations ticket.
- Students will need 4 more periods of Welding to complete the first 16 credits of this course.
- Students will attend UFV full time in their second semester of grade 12 to earn the last 16 credits of this 32 credit program.
- 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 Foundations certification.



Power Technology

TT-POWER TECHNOLOGY 09

Prerequisite: None

- Learn about principles of flight including lift, thrust, and aerodynamics.
- Build a functional aircraft.
- Discover the inner workings of electric motors.
- Gain experience with hydraulic systems.
- Study four stroke and two stroke engine theory.
- This is a beginner's course that explores many different aspects of powered systems that are used in our daily lives. This course is a good foundation for future enrolment into the automotive department.

TT-POWER TECHNOLOGY 10

Prerequisite: None

- Learn to disassemble and reassemble an engine.
- Strong focus on four stroke theory and systems.
- Establish knowledge of basic automotive systems (brakes, cooling, etc.).
- This is the beginner's course in the automotive department. Students who complete this course will be able to continue on in the shop to learn more sophisticated concepts and perform repairs on cars.

Woodwork

TT-WOODWORK 09/10

Prerequisite: None

- An introductory course into the field of woodworking.
- Woodworking skills will develop over the construction of a variety of projects.
- Students will gain a basic knowledge in working with hand tools and power tools appropriate to project work.
- Students will explore units in Safety, Wood Identification, Hand Tools, Power Tools, Project management, and Design & Creativity.
- Objective Evaluation is determined by Test Scores, Assignments, and Project Evaluation: 50%.
- Subjective Evaluation determined by Work Habits, Quality and Quantity, and Attitude (Safety and Participation): 50%.
- Costs: Only for materials beyond those required to meet the learning outcomes for the course.

TT-WOODWORK 11

Prerequisite: Woodwork 9/10

- A continuation of the woodwork program established in woodwork 9/10.
- Course designed for students who wish to continue improving their woodworking skills through construction of various projects.
- Emphasis is placed on shop safety, 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 project evaluations.
- 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, and Project Evaluation: 50%.
- Subjective Evaluation determined by Work Habits, Quality and Quantity, and Attitude (Safety and Participation): 50%.
- Costs: Only for materials beyond those required for the course.

TT-WOODWORK 12

Prerequisite: Woodwork 11

- An intermediate wood manufacturing course.
- Introduction to intermediate woodworking skills and principles.
- First project uses a variety of materials including plywood, M.D.F., and solid stock.
- Learn cabinet drawer construction, with an emphasis on quality and safety.
- Students design and construct their second project on their own.
- 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 for craftsmanship.
- Costs: Only for materials beyond those required for the course.

TT-WOODWORK 12: FURNITURE & CABINETRY

Prerequisite: Woodwork 12

- An advanced wood manufacturing course.
- A logical extension of woodwork 12; allows students to further hone their skills in cabinet and furniture making and gives a good base from which a student may go into post-secondary trades.
- Projects should be reasonably difficult, i.e. dining room table, large dresser, buffet and hutch, computer desk, etc.
- Graded on well-established criteria of craftsmanship.
- Cost of materials is the responsibility of the student.

TT-TRAIN IN CONSTRUCTION: HOUSE CONSTRUCTION

(PREVIOUSLY ACE-IT)

UFV DUAL CREDIT - GRADE 12 – SEMESTER 2

Prerequisite: Woodwork 11

- 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 required competencies will be guaranteed seats into UFV in the student's final grade 12 semester.
- This course is a must for those who wish to enter the construction industry.

WORK EXPERIENCE PROGRAMS

For graduation, students are required to complete 30 hours of work experience over their grade 10, 11 and 12 years.

Work Experience 12A: To receive 4 credits for Work Experience 12A, students must complete an additional 70 hours above the required 30 hours of work experience. 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. Students must complete an Application Form (available from the office or their counselor) prior to enrolling. The programs offered at Sardis Secondary School are as follows:

Program	Focus Area	Teacher
Aboriginal	Health and Human Services	Sheldon Nickel
Agriculture	Science and Applied Science	Joe Massie
Applied Science	Science and Applied Science	Paul Bernard
Business Management	Business and Applied Business	Darren Watt
Computer Technology	Trades and Technology	John Murtha
Construction	Trades and Technology	TBD
Drafting	Trades and Technology	Chad Hipwell
Entrepreneur	Business and Applied Business	TBD
Fine Arts	Fine Arts, Design, and Media	Kevin Biegel
Foods/Cook Training	Hospitality and Foods	Donna Frost
Health and Fitness	Fitness and Recreation	Shaun Calver
Human Services	Health and Human Services	Trish Lewis
Leadership	Health and Human Services	TBD
Mechanics	Trades and Technology	Ryan Goodman
Media Broadcasting	Fine Arts, Design, and Media	Manfred Braun
Metal	Trades and Technology	Darren Purych
PE Leadership	Fitness and Recreation	Alison Fitzsimmons
Tourism	Tourism, Hospitality, and Foods	Jen Long