

Cedar Community  
**Secondary School**

"We're in it to Learn!"

Program Book  
**2011 – 2012**



"Home of the Spartans"

## **Introduction**

This program book is designed to inform students and parents about Cedar Community Secondary School course offerings and to provide the information necessary to complete the course request process for 2011/12.

This booklet will assist you with general descriptions of the programs being offered by Cedar Community Secondary School. We are a small school and take pride in the selection and quality of our offerings. There will, however, be some changes to this booklet as we begin the programming process. Students and parents will be apprised of the changes during programming sessions.

It is important to note for Grade 10, 11 and 12 students that some courses are offered on a two year rotation, which should be considered when making course requests. Parent evenings will be arranged to assist in this process.

We ask that students consider their requests carefully, as staffing and course offering decisions are based on student requests. As the timetable process unfolds, students will receive confirmation of their requests attached to their April report card. There may be opportunity to make some changes then. In addition, students may make an appointment to see their counselor during the week before school begins in fall.

We are looking forward to a rewarding “new year”!

*Ms. Susann Young*  
*Principal*

*Mr. Bill Rounis*  
*Vice-Principal*

# COURSE PLANNING

## EDUCATIONAL PATH

### Graduation pathway

**Graduation  
Program  
Years**

#### CORE CLASSES

#### ELECTIVES

**Grade 12**    En 12/Com12  
 \_\_\_\_\_12  
 \_\_\_\_\_12  
 \_\_\_\_\_12

\_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

Graduation Standards (30 hrs work experience,  
 150 mins/week Physical Activity, Grad. Transition Plan)

**Grade 11**    En 11/Com 11  
 (a Socials) \_\_\_\_\_11  
 (a Math) \_\_\_\_\_11  
 (a Science) \_\_\_\_\_11

\_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

**Grade 10**    English 10  
 Socials 10  
 Math 10  
 Science 10  
 Physical Ed. 10  
 Planning 10

\_\_\_\_\_  
 \_\_\_\_\_

**Grade 9**    English 9  
 Socials 9  
 Math 9  
 Science 9  
 Physical Ed. 9  
 Health and Careers 9

\_\_\_\_\_  
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**Grade 8**    English 8  
 Math 8  
 Science 8  
 French 8  
 Physical Education 8  
 Socials 8  
 Life Skills 8  
 Fine Arts Package 8/Band

- Most courses receive 120 hours of instruction (4 credits)
- Some courses will receive 60 hours of instruction (2 credits)

## Sample Grade 8 Program

### PROGRAM PLANNING

Grades 8 and 9 electives are meant to be exploratory in nature, allowing students to sample courses in a number of areas. At the same time students will get a sound foundation in the core subjects.

#### GRADE 8

Grade 8 students take a common program.

1. English
2. Social Studies
3. Mathematics
4. Science
5. Physical Education
6. French
7. Life skills – a package of four or five component courses (depending on enrollment). Components may include:
  - a) Home Economics
  - b) Shop
  - c) Keyboarding
  - d) Health and Careers
8. Band **or** Fine Arts Package

Fine Arts Rotations may be comprised the following mini-units:

**Home Economics:** This includes preparing simple dishes plus an introduction to the operation of a sewing machine. Students produce several projects.

**Drama** – Students are introduced to acting techniques. Emphasis is on participation and theatre activities.

**Art** – Students will use ink, pencil, paint and paper. Topics will include drawing, perspective, composition, design, and sculpture.

Block	1.1	1.2	1.3	1.4	2.1	2.2	2.3	2.4
No band	En	Sc	Life Skills	PE	Ma	Fr	SS	FArts
With band	En	Sc	Life Skills	PE	Ma	Fr	SS	Band

#### GRADE 9

##### Foundations Studies

English 9  
 Mathematics 9  
 Science 9  
 Social Studies 9  
 Physical Education 9  
 Health and Careers 9

##### Plus 2 electives:

##### Electives may include:

French 9	Musical Theatre 9
Spanish 9	Choir 9
Art 9	Band 9
Keyboarding 9	Info Tech 9
Clothing & Textiles 9	Metalwork 9
French 9	Foods & Nutrition 9
Woodwork 9	Jazz Band 9
Drama 9	Woodwork 9
Foods & Nutrition 9	
Computer Science 9	
P.E. 9 (Basketball)	
P.E. 9 (Girls)	
Computer Assisted Imagery 9	

The school will decide which electives are to be scheduled, based on student interest and availability of appropriate staff and facilities. As a result, students may be required to accept alternatives.

## Graduation Program – Grade 10, 11 and 12

Eighty credits in Grades 10-12 (equivalent to 20 four-credit courses) are required for graduation.

48 credits are required courses, including:	
Language Arts 10	4 credits
Language Arts 11	4 credits
Language Arts 12	4 credits
Social Studies 10	4 credits
Social Studies 11, Canadian Civics 11 or B.C. First Nations Studies 12	4 credits
Science 10	4 credits
Science 11	4 credits
Mathematics 10	4 credits
Mathematics 11	4 credits
Physical Education 10	4 credits
Fine Arts or Applied Skills 10, 11, or 12	4 credits
Planning 10	4 credits
Graduation Transitions	4 credits
Elective Courses: 7 courses x 4 credits =	28 credits
Minimum of 16 credits at the Grade 12 level including Language Arts 12. All ministry-authorized and board/authority-approved courses count.	

You need 28 credits from Elective Courses, including an Applied Skill or a Fine Arts in grade 10, 11 or 12. A minimum of 16 credits at the Grade 12 level are required, including Language Arts 12 (all ministry-authorized and board/authority-approved courses count).

**Be careful when you make a course change - it could be the one you need to graduate!**

Don't forget that post-secondary institutions often require you to complete specific courses to get into certain programs. Careful planning in Grades 10, 11 and 12 will ensure you have all the courses and credits you need. Students in grade 10 or 11 may be able to take grade 12 courses based on seat availability.

**\*Graduation Transition Program is taken outside the timetable.**

## **STUDENT SUPPORT SERVICES**

Cedar Secondary is able to offer various support programs on a limited basis depending on staffing allocation and student needs. Some of these supports might include:

### **Skills for Life**

This is a specialized program for students with specific identified learning needs. Students in this program usually are in the Skills classroom for some blocks and integrated into regular classes, as appropriate, in other blocks. The teacher will connect with parents to plan the students IEP and program.

### **Resource Room**

A limited amount of resource room programming is available for students who require a modified curriculum in order to be successful in the school setting.

### **Academic Support**

Some students require a block of time within their timetable to get monitored help with their core classes. Academic support is offered each semester for those identified.

### **Learning Lab**

The Learning Lab is a room largely dedicated to allowing students to complete courses in a supervised, mostly independent manner. Students may take a school-based or Learn@Home course for a variety of reasons: a student may want a course not offered in a regular classroom setting, a student's timetable may conflict when courses are offered, or a student may want to take a course but needs more than one semester to complete it. The class composition is typically made up of a mixture of students from grades 10-12. To work in the Learning Lab a student needs to take responsibility for their own learning and have the maturity to work in a less structured environment.

## **CHALLENGE, EQUIVALENCY, AND EXTERNAL CREDITS**

There may be opportunities for students to apply to challenge or have an equivalency review of

their credentials. To participate in the challenge or equivalency process, a student must be enrolled in the school district, registered with the district for home schooling, or enrolled in a distance education school where the challenge or equivalency review is requested.

### **CHALLENGE**

Course challenge refers to the process of receiving "Credit" for a provincially or locally developed grade 10, 11 or 12 course through an assessment of a student's prior learning. Information of the procedures for challenge is available through school administrator and/or counsellors.

- Note – applications for challenge must be made by the student by the first full week in October or March.

### **EQUIVALENCY**

Students in grade 10,11 and grade 12 courses are entitled to apply for an equivalency review of their credentials obtained from other educational jurisdictions and institutions by providing documentation to prove they have successfully completed a course or program of learning. Equivalency credit will only be granted for credentials which match the prescribed learning outcomes for provincial and locally developed courses. Students are responsible for providing evidence of successful completion of a course or program by presenting official documents, diplomas, certificates, and /or other necessary information deemed necessary by the school principal. Information about equivalency is available from the school counsellors and/or administration.

### **EXTERNAL COURSES**

A Ministry-accepted External Course is a Ministry-Authorized course which is an organized set of learning activities developed or offered outside the British Columbia school system and set out in Schedule 4 of the Graduation Requirements Order. Students receive graduation credit for successfully completing an External Course. These courses are of an equivalent standard to other Ministry-Authorized senior secondary courses.

\*\* For more information on challenge, equivalency or external courses see your counsellor.

# DISTRICT PROGRAMS

## CAREER TECHNICAL CENTRE (CTC)

The Nanaimo-Ladysmith Career Technical Centre (CTC) offers a unique educational opportunity to students in SD #68. The CTC enables students to begin post-secondary (university/college) trades and technical programs during their Grade 11 and 12 high school years.

The CTC is a dual-credit program, meaning students will receive high school credits towards graduation **and** college credits toward their apprenticeship at the same time. Students will complete their **foundation courses** at high school, but they will complete their **elective courses** while attending trades training at Vancouver Island University full-time during their Grade 12 year. The CTC offers **tuition coverage** to students for their university training. This year of tuition coverage will save you thousands of dollars for your first year of training. You will complete your Graduation Transition Standards (4 credits) with the CTC.

Tuition will be paid by the CTC. Students are responsible for additional program costs, including tools, books and Vancouver Island University student fees. These fees will vary by program, please contact us for details. \$130 registration fee is payable upon completion of assessment. An example of some of the CTC programs currently offered:

**Applied Business Technology - Auto Service Technology - Baking, Carpentry - Culinary Arts – Electrician – Hairdressing - Heavy Duty Mechanics - Home Support Care Aide – Horticulture - Information Technology & Applied Systems - Power Sport & Marine Technology - Welding.**

To qualify for the CTC students must be under 19 years of age, be passionate about the trade you choose, currently working towards graduation, as well as having completed specific required courses at the high-school level. Please contact the CTC at (250) 740-2032 for more information.

## SECONDARY SCHOOL APPRENTICESHIP PROGRAM (SSA)

Secondary School Apprenticeship (SSA) is a career program that gives you the opportunity to begin an apprenticeship while still in high school, and to earn high school credits for doing so.

A Secondary School Apprenticeship involves part-time work within a trade – Think about it: you can be earning money and learning valuable skills doing a job you love, getting high school credits for it, and pursuing other academic courses at the same time.

Imagine how much more meaningful school will feel, and how far ahead you'll be when you graduate. SSA can give you a great head start on a career – you could be up to two years ahead of your peers in a career in the trades if you participate.

### How the SSA Works:

- Students register an *apprentice* with the Industry Training Authority (ITA). The SSA coordinator will assist with registration
- The student's employer must register as a *sponsor* with the ITA
- Students earn 4 credits for every 120 hours of workplace-based training (up to a maximum of 480 hours and 16 credits)
- Students will complete an SSA student workbook which will be marked by the SSA coordinator
- Upon completion of the SSA program, students will apply for the SSA scholarship

There are no student costs for the SSA program. However students may need to purchase tools and/or safety equipment as required by their employer. Any Grade 10, 11 or 12 student who is currently working or seeking employment in a trade may register with the SSA for high school credits. This program is intended to encourage **trades training**. It is very important that your **employer agrees to sponsor and train you as an apprentice**. If you have already worked in a trade, you may qualify to receive credit for up to 240 hours of work (training) already completed.

You may also earn a **\$1000 scholarship** if you complete the program, maintain a GPA of 67% in your Grade 12 numbered courses, and continue working in your trade full-time for 5 months following graduation (or accumulate 1100 hours of training). To begin your CTC or SSA apprenticeship program, fill out an application form and book an interview with the program coordinator at (250) 740-2032.

## Scholarships and Awards

The Ministry of Education provides scholarships and awards to eligible graduating students. There are three major scholarship programs sponsored by the Ministry of Education:

**Passport to Education, Dogwood-District Authority Awards and Grade 12 Graduation Program Examinations Scholarships.**

### Ministry Scholarship and Awards Program – 2004 Graduation Program

#### Passport to Education

Recognizes student achievement in Grades 10 to 12.

Grade 10	\$250 (in effect 2004/05)
Grade 11	\$250 (in effect 2005/06)
Grade 12	\$500 (in effect 2006/07)
Total	\$1000

#### Eligibility and Criteria:

- Full time attendance public school or Group 1, 2 or 4 independent school
- Must be a Canadian Citizen or a Landed Immigrant
- Redeemable at designated post-secondary institutions and approved Industry Training Authority (ITA) providers

### Dogwood-District Authority Awards

Recognizes excellence for graduates who excel in the areas of fine arts, applied skill, physical activity, or second languages

- \$500 cheque, and \$500 voucher for use towards post-secondary education
- 3000 awards pro-rated at districts/authorities, based on district enrolment

#### Eligibility and Criteria:

- Enrolled in public or Group 1, 2, 3 or 4 independent School
- Must be a Canadian citizen or permanent resident
- Must meet graduation requirements
- Must meet criteria determined by the local District Scholarship Committee
- May receive both the district and provincial scholarship as well as a Passport award
- Redeemable at designated post-secondary institutions and approved Industry Training Authority (ITA) providers

### Grade 12 Graduation Program Examination Scholarships

Recognized academic achievement on Grade 12 Provincial Examinations

- \$1000 voucher for winners
- 2500 voucher for top 20 winners
- Approximately 5000 students annually

#### Eligibility and Criteria:

- Enrolled in public or Group 1, 2 or 4 independent School
- Must be a Canadian citizen or permanent resident
- Must earn at least a “B” in English 12, TPC 12 or Francais langue premier 12
- Based on three best exam scores (86%) or higher
- Must meet graduation requirements
- May receive both the provincial and district scholarship as well as a passport award
- Redeemable at designated post-secondary institutions and approved Industry Training Authority (ITA) provides

**Total amount a student could earn = \$3500**

**COURSE DESCRIPTIONS**

**TO**

**HELP YOU NAVIGATE YOUR FUTURE**

**Course descriptions on the following pages are generally ordered by subject area for Grades 8 to 12.**

Some courses described in this section may not be offered every year due to an insufficient number of students selecting those courses.

Accordingly, some listed courses may be deleted when the master timetable is finalized, **or some students may be offered the opportunity to take the course on line through Learn@Home courses.**

## COURSE OUTLINES

### ENGLISH

#### ENGLISH 8 (101)

This English course concentrates on the basic principles of effective communication, including appreciation of the importance of language in its four strands of reading, writing, speaking, and listening. The course will develop students' proficiencies in fundamental grammar skills (with emphasis on parts of speech and simple sentence structure) and writing skills (with emphasis on descriptive, narrative, and expository paragraphs). The course is also intended to develop an enthusiasm for reading and to develop an awareness of plot, setting, character, and theme as structural elements.

#### ENGLISH 9 (201)

This course includes written and oral language skills and the study of literature. Basic grammar and spelling skills are reviewed. Emphasis is put on increasing writing skills so that students improve their ability to communicate ideas clearly in written form. Short stories, poetry, drama, and novels will be included in the literature component. Literary devices are reviewed and more difficult terms are introduced. Oral skills are developed through class discussions, presentations, and debates.

#### ENGLISH 10 (301)

This course builds on the skills acquired in the previous course and emphasizes more multi-paragraph composition. Complexity in grammatical structure and usage is increased. The literature component requires more interpretative reading skills including inference and analysis. Literary devices in literature are studied. The power of language is explored and elementary concepts of style are introduced. Oral and speaking skills are developed through speeches, presentations, discussions and debates.

This course includes a Provincial Final Exam.

#### COMMUNICATIONS 11 (4011)

Communications 11 is offered as an alternate course for students who do not wish to continue

with regular English 11. The course focuses on enhancement of writing, reading, and communication skills. The course leads to Communications 12, which is a course accepted towards graduation credit.

#### ENGLISH 11 (401)

The English 11 course is intended to develop necessary skills for expository writing and speaking, and for the critical appreciation of poetry, short stories, modern novels, and some understanding of Shakespeare. As a requirement for graduation, it is an academic course that is intended to prepare students for English 12 and college or university.

#### COMMUNICATIONS 12 (5011)

Communications 12 is a continuation of Communications 11. The course focuses on enhancement of writing, reading and communication skills. The course is a substitute for English 12 as a graduation requirement.

This course includes a Provincial Final Exam.

*Prerequisite: EN 11 or COMM 11*

#### ENGLISH 12 (501)

Using more advanced materials than in English 11, this course continues to help students develop reading, writing, speaking, viewing and listening skills. As an academic course, it will help students practice writing paragraphs, essays, letters and term papers, with an increasing emphasis on structure and appropriate style. Students will also be encouraged to read widely and critically.

The five types of literature – poetry, drama, novel, short story, and essay – will be studied for structure and content. Marks will be based on oral work, written assignments, and unit tests.

This course includes a Provincial Final Exam.

#### ENGLISH 12 FIRST PEOPLES (5012)

This course is intended for both Aboriginal and non-Aboriginal teachers and students. It represents an invitation to all learners to explore and discover First Peoples' worldviews through the study of literary, and informational & media text with local Canadian & International First Peoples' content.

## **LITERATURE 12 (5014)**

This course provides a survey of English Literature from Anglo-Saxon times to modern period. In addition to a study of poetry, essays, short stories, and drama selections from the work of noted authors, it provides a social history of each period. It enables a student to see individual authors in relation to the times in which they lived, and to see contemporary literature in perspective. This course is designed for students interested in broadening their background and for those planning to go on to further studies in English.

## **WRITING 12 (5015)**

This is a creative writing course that is directed towards the creation of poetry, short stories, and plays. Students are given opportunity to write, edit, and publish their own works. This class will be open to any students in grade 11 or 12. Credit will be given for the Grade 12 Writing course. Students will be expected to write in all genre areas. In some cases this may be a self-directed adventure.

## **LANGUAGES**

### **FRENCH 8 (150)**

Students in grade 8 French will practice communication in authentic scenarios, participate in discussion, games and presentations. They will also be engaged in weekly journal writing, reading, listening comprehension and video activities. The course will begin with a general review of the numbers 1-100, the alphabet, colours, seasons, months, days of the weeks and holidays, weather, telling time, general instructions and commands. Thematic units will include: friends, at home and at school, food, clothing and travel. This course will use the *Bon Voyage 1* program.

### **FRENCH 9 (250)**

The French 9 program continues on from where the grade 8 program left off. Students will be engaged in a diverse series of activities including: creating dialogues and skits based on authentic situations, general discussion, games, research presentations and journal writing in both French and English. The course will start with a review of past vocabulary and grammar

before exploring units on fashion, travel, sports and daily life in France vs. Canada. This course will use the *Bon Voyage 1* program.

### **FRENCH 10 (350)**

The French 10 program course will conclude the *Bon Voyage 1* program and introduce the *Bon Voyage 2* program. After a short review the course will start with a unit on culture, followed by units on medicine, entertainment, technology, travel and finance. Although there will be a continued focus on writing and sentence structure, there will be a strong emphasis on creating and acting out authentic dialogue, journal writing, research presentations, discussion and games

### **FRENCH 11 (450)**

French 11 is fourth year course, which follows closely the philosophy of the French 10 program. As with the other French courses, the student's effort and participation will contribute largely to their success and progress in the program. The course covers the themes of French cuisine, travel in France, accidents, the city and holidays. Students will continue to be engaged in a diversity of activities such as: dialogue writing, journal writing, film review, power point presentation creation and cooking. The course will continue to follow the *Bon Voyage 2* program.

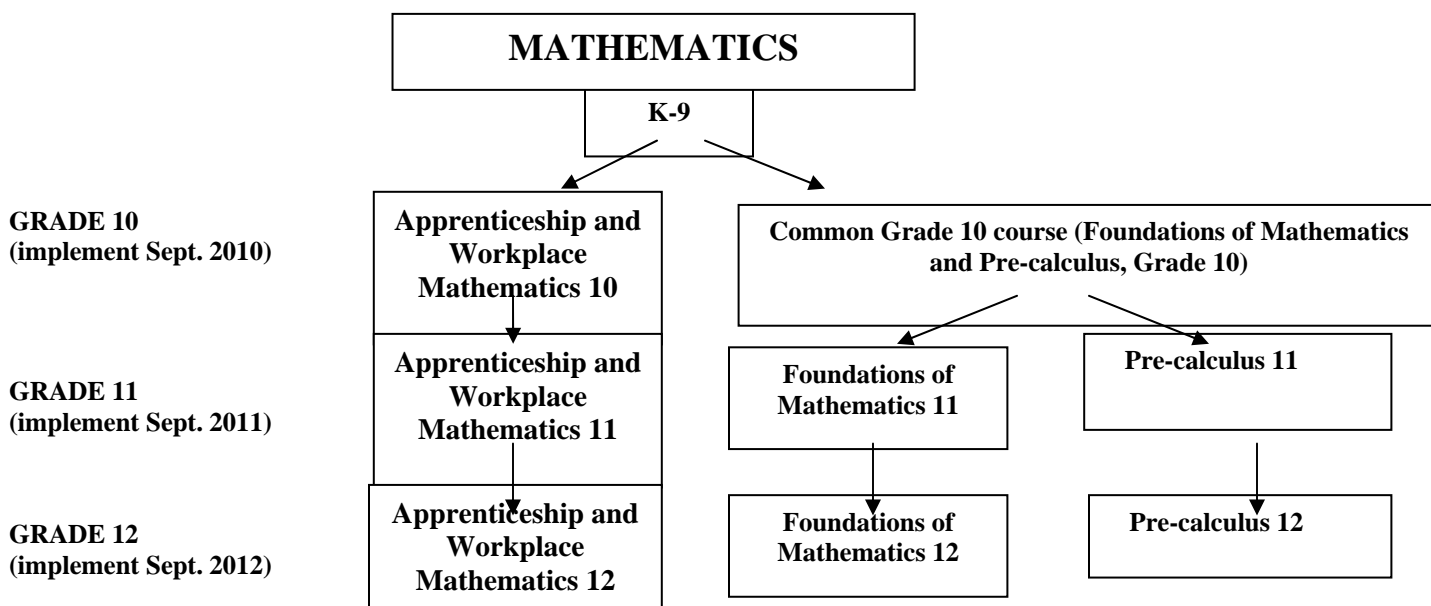
### **FRENCH 12 (550)**

French 12 offers a more practical application of the language through an in depth exploration of the International Francophone Culture. Students will complete the *Bon Voyage 2* text studying the themes of transportation, country life, holidays, and professions. In preparation for the Provincial examination, a stronger emphasis will be placed on grammar and reading/writing skills than in earlier grades.

*Prerequisite: French 11 with a 70% average or better is strongly recommended.*

### **SPANISH 9 (256) / BEGINNING SPANISH 11 LEVEL I (4561)**

This introductory course explores the basics of listening, speaking and writing in the Spanish language. Course work will include oral and written skills and leads to further course work in following years.



### \*PATHWAYS AND TOPICS

*The Common Curriculum Framework for Grades 10–12 Mathematics* includes pathways and topics rather than strands as in *The Common Curriculum Framework for K–9 Mathematics*. Three pathways are available: Apprenticeship and Workplace Mathematics, Foundations of Mathematics, and Pre calculus. A common Grade 10 course (Foundations of Mathematics and Pre-calculus, Grade 10) is the starting point for the Foundations of Mathematics pathway and the Pre-calculus pathway. Each topic area requires that students develop a conceptual knowledge base and skill set that will be useful to whatever pathway they have chosen. The topics covered within a pathway are meant to build upon previous knowledge and to progress from simple to more complex conceptual understandings.

### GOALS OF PATHWAYS

The goals of all three pathways are to provide prerequisite attitudes, knowledge, skills and understandings for specific post-secondary programs or direct entry into the work force. All three pathways provide students with mathematical understandings and critical-thinking skills. It is the choice of topics through which those understandings and skills are developed that varies among pathways. **When choosing a pathway, students should consider their interests, both current and future, along with their future career choices.** If undecided, students in Math 10 may consider taking BOTH Apprenticeship and Workplace 10 and Foundations/Pre-calculus 10. Students are encouraged to research the admission requirements for post-secondary programs of study as they vary by institution and by year.

\*Replicated from WNCPC Common Curriculum Framework document 2008

<http://www.wncpc.ca/media/38771/math10to12.pdf>

## MATHEMATICS

### MATHEMATICS 8 (121)

Mathematics 8 is intended to reinforce and extend the basic skills of elementary mathematics. Major units in this course include: Number and Number Operations, Geometry, Measurement, Data Analysis, Algebra and Problem Solving.

### PRE-MATHEMATICS 8 (1212)

This course is designed to give students foundation skills to better prepare them to meet the challenges of Mathematics 8. A variety of teaching strategies will be used to help students achieve a basic mathematics foundation. Students completing this course will then enter Mathematics 8 during the second semester.

**Note:** Students enrolled in this course will not be enrolled in French 8 during their Grade 8 year.

## **MATH 9 (2225)**

Mathematics 9 is an extension of the Grade 8 program. The major units in this course include: problem solving, number operations, patterns and equations, using equations, polynomials, products and factoring, measurements, shape and space, transformation, data analysis and probability.

## **APPRENTICESHIP & WORKPLACE MATH 9 (2224)**

Apprenticeship and workplace mathematics 9 is designed for students who had difficulty in meeting the learning outcomes of Mathematics 8. More of an emphasis is placed on skill-building, concrete activities and basic Math literacy.

**Note:** Students who receive a C- in their current Math 8 class, or students who are advised to do so by their math teacher, will be recommended to enroll in AWMA 9.

## **FOUNDATIONS & PRE-CALCULUS 10 (combined)**

**Recommendation:** Students should have passed Math 9 with a minimum of 60% to be eligible for this course. It is recommended that students with less than a C in Math 9 repeat Math 9 before advancing to this course.

This pathway is designed to provide students with mathematical understandings and critical-thinking skills identified for post-secondary studies.

Topics include measurement (linear, conversion, surface area, volume), trigonometry (primary ratios), algebra and number (factoring, irrational numbers, powers with integral and rational exponents, multiplying polynomials), relations and functions (graphs, slope, linear relations, domain, range, equations, function notation, systems of linear systems).

Upon successfully completing this course students will enroll in Foundations of Mathematics 11 or Precalculus 11.

This course includes a Provincial Final Exam.

## **APPRENTICESHIP & WORKPLACE MATH 10**

This pathway is designed to provide students with the mathematical understandings and critical-thinking skills identified for entry into the majority of trades and for direct entry into the work force.

Topics include algebra (manipulation and application of formulas), geometry (spatial puzzles, Pythagorean Theorem, similar polygons, angles), trigonometry (primary ratios), measurement (international and imperial systems, linear, area, 2D, 3D), and number (unit pricing, currency exchange, proportions, personal finance).

Upon successfully completing this course students will enroll in Apprenticeship and Workplace 11.

Equipment: Scientific calculator, pencils, erasers, lined paper, binder, ruler.

This course includes a Provincial Final Exam.

## **CHANGES TO MATHEMATICS**

**The 2011/2012 school year will be the first year that the following Grade 11 Math courses will be offered and the final year that the Math 12 courses will be offered:**

## **APPRENTICESHIP & WORKPLACE MATH 11 (4224)**

This pathway is designed to provide students with the mathematical understandings and critical-thinking skills identified for entry into the majority of trades and for direct entry into the work force.

Topics: Problems involving SI and Imperial units, surface area, volume, right triangles, trigonometry, scales and proportions, 3-D objects and views, number puzzles, personal budgets, compound interest, financial institutions services to access and manage finances, credit options, application and manipulation of formulas, slope proportional reasoning and unit analysis, creating and interpreting graphs. Upon successfully completing this course students will enroll in Apprenticeship and Workplace 12.

## **FOUNDATIONS OF MATHEMATICS 11 (4219)**

**Recommendation:** Students should have passed Foundations of Mathematics and Precalculus 10 with a minimum of 60% to be eligible for this course. It is recommended that

students with less than a C in Foundations of Math-Precalculus 10 repeat Math 10 to upgrade before advancing to this course.

This pathway is designed to provide students with the mathematical understandings and critical-thinking skills identified for post-secondary studies in programs that do **NOT** require the study of theoretical calculus.

Topics: rates, proportions, scale diagrams, surface area, volume, problems and properties of angles and triangles, cosine and sine laws, inductive and deductive reasoning, spatial puzzles, statistics (normal distribution, confidence intervals and levels, margin of error) systems of linear inequalities, quadratic functions, math research project.

Upon successfully completing this course students will enroll in Foundations of Mathematics 12.

### **PRE CALCULUS MATHEMATICS 11 (4225)**

Recommendation: Students should have passed Foundations of Mathematics and Precalculus 10 with a minimum of 60% to be eligible for this course. It is strongly recommended that students with less than a C in Foundations of Math/Precalculus 10 repeat Math 10 to upgrade before advancing to this course.

This pathway is designed to provide students with the mathematical understandings and critical-thinking skills identified for entry into post-secondary programs that **require the study of theoretical calculus**.

Topics: absolute value, radicals, radical equations, rational expressions and equations, angles in standard position, trigonometry, cosine and sine law, factoring polynomials, absolute value functions, quadratic functions and equations, linear and non-linear systems of equations and inequalities, arithmetic sequences and series, reciprocal functions.

Upon successfully completing this course students will enroll in Precalculus 12.

### **PRINCIPLES OF MATHEMATICS 12 (5225)**

Topics: Trigonometry, quadratic relations, exponential and logarithmic functions, polynomials, sequences and series, geometric proofs and problem-solving

This is a demanding course. It is considerably more difficult than Principles of. Math 11. It is

intended for students who plan to enter post secondary institutions to study fields which require math beyond a grade 12 level.

Note: Students must have passed P. Math 11. A minimum mark of C+ in P. Math 11 is recommended. A government exam may be written in this course.

Students planning to take first year calculus should seriously consider taking P. Math 12 semester one and Calculus 12 in semester two.

Textbook: Addison Wesley Mathematics 12

Equipment: A graphing calculator is required for this course. Math teachers will be using Texas Instruments graphing calculators; check with teacher.

### **CALCULUS 12 (5262)**

Calculus 12 is a course which covers a substantial portion of first year calculus at a slightly lower level. Topics will be chosen from first year differential and integral calculus. Topics covered will include the derivative, tangents and normals, implicit differentiation, maxima and minima, rates of change, basic standard integrals, area, volumes of revolution, approximation techniques, partial fractions, and trigonometric substitutions.

Students must pass Math 12 with a C+ or have their teacher's recommendation to be eligible for this course.

Textbook: Brief Calculus by Anton

Equipment: a good scientific calculator

This course will be offered second semester only. Students signing up for Calculus 12 must take Math 12 semester one.

### **Post Secondary Acceptance:**

Post Secondary institutions and programs each have specific entrance requirements for acceptance. Students need to check the program entrance requirements to be sure they are taking the correct math pathway and that they have the required marks.

## **PHYSICAL EDUCATION**

Philosophy:

The PE Department at CCSS firmly believes in a few guiding principles when it comes to our program:

1. Fitness and fitness training principles are personal.
2. Students develop skills and body tone at different rates.
3. The gym must be a fun place to come to.
4. We are teaching to serve the needs of the students.
5. We all have personal rights.

**General Information:**

Students in PE 8, 9 and 10 are expected to demonstrate their abilities in four areas related to their overall education. These areas include skills, knowledge, participation, and fitness. Participation is evaluated on a daily basis. Fitness activities are provided every day, with cardiovascular workouts three times per week. Skill tasks and demonstration of these tasks are provided in each unit. In the knowledge area, students are responsible for the information given out by the instructor regarding rules, regulations, current applications, and history. In order to accommodate all students and their personal needs, classes may be multi-graded. The object of this is to allow students a variety in choice of their activities, thus more personal needs may be met.

Note: P.E. 10 is required for graduation

**PHYSICAL EDUCATION 8 (141)**

The PE program at the Grade 8 level is designed to provide students with exposure to a large variety of activities. Most units are six hours in length. At this level, the emphasis is placed on participation and acquiring knowledge and appreciation for physical fitness. Activities range from team to individual, indoors and outdoors.

**PHYSICAL EDUCATION 9 (241)**

The PE 9 program builds on what was developed in grade 8. Units become 12 hours in length with less variety. A strong emphasis is placed on lifetime sports. At the grade 9 level, students should acquire the knowledge necessary to developing their own personal fitness program. They are working towards mastery of skills in a variety of activities.

**PHYSICAL EDUCATION 10 (341)**

The PE 10 program is very similar to PE 9. Students excelling in PE 10 should consider PE 11 next year.

**FITNESS, HEALTH AND WELLNESS 9-12 (GIRLS ONLY)  
Grade 9 (2424) Grade 10 (347)  
Grade 11 (4412) and Grade 12 (5412)**

This elective is designed for girls in grades 9 - 12 who are interested in developing a healthy lifestyle. Students will develop their physical fitness in the areas of cardio, muscular strength and endurance, flexibility and body composition. A number of activities will be offered for the students to plan their own fitness routines and explore activities such as: yoga, hip hop, Pilates, core strength, swimming, rock climbing, tybo, aerobics, dance, weight-lifting, walk/run programs, etc. Students will also train to participate in a community organized 5 – 10 km run. **\*\*Note\*\*** This class is an elective and is will not be taking the place of PE 9 or 10. For grade 11,12 this is a PE credit. This course is recommended for students interested in personal fitness development.

**FITNESS, HEALTH/WELLNESS AND HUMAN PERFORMANCE (CO ED) Grade 9 (2423)  
Grade 10 (346)  
Grade 11 (4410) Grade 12 (5413)**

This course is designed for students that wish to enhance and focus more intensely on their personal fitness. Students involved in extracurricular activities that wish to cross-train or maintain their fitness during the off season should sign up for this course. Students in this course should be motivated and self-directed. **\*\*Note\*\*** This class is an elective and is will not be taking the place of PE 9 or 10. For grade 11,12 this is a PE credit. This course is recommended for students interested in personal fitness development.

**OUTDOOR EDUCATION 10 AND 11 (Grade 10: 3418) (Grade 11: 4414)**

Outdoor Education 10/11 is a course designed to enhance ones' knowledge and consideration for the environment. The course will focus on skills which will enable an individual to function responsibly in the wilderness environment.

Course content:

1. Identification of local plants, trees, geography, and wildlife
2. Studies of local ecology/environment
3. Use of compass and maps
4. Outdoor survival / wilderness first-aid.
5. Navigation

6. Low impact camping
7. Knots
8. Local outdoor recreation exposure
9. Career opportunity exploration
10. Basic skills needed in various land and Water-based activities in the outdoors.

### **PHYSICAL EDUCATION 11 (4401)**

This course will satisfy the Applied Skills component of the graduation program. The emphasis for the course is on developing skills for recreational and lifetime sports using our gym and existing facilities. Participation, cooperation, effort, leadership, and skills are evaluated. Activities include: golf, skating, bowling, outdoor pursuits, curling, cycling, and others.

### **PHYSICAL EDUCATION 9-12 – BASKETBALL (BOYS ONLY) Grade 9: 2414, Grade 10: 3411 Grade 11: 442, Grade 12: 542**

This course covers the regular P.E. learning outcomes, but places an emphasis on the sport of basketball. It is recommended that students that participate in this course be involved with basketball outside of the classroom. 4 credits at the grade 10, 11, and 12 level.

### **PHYSICAL EDUCATION 9-12 – BASKETBALL (GIRLS ONLY)**

**Grade 9: 2422, Grade 10: 3422 Grade 11: 4421, Grade 12: 5421**

This course covers the regular P.E. learning outcomes, but places an emphasis on the sport of basketball. It is recommended that students that participate in this course be involved with basketball outside of the classroom. 4 credits at the grade 10, 11, and 12 level.

### **PHYSICAL EDUCATION 12 (501)**

PE 12 will provide enjoyable experiences and skill development in fitness, sport and outdoor recreation. More emphasis will be placed on recreational activities, and the development of leadership skills. Many of the activities will take the student off campus. There is an expectation that students will contribute their services during non-class hours to the school and community. Core units include performance-orientated activities (volleyball, basketball, badminton, golf, tennis, dance); leisure-oriented activities (bowling, curling, squash, racquetball, aerobics, swimming, skiing, orienteering); personal development activities (personal fitness

evaluation, CPR course) and school based activities (training, coaching, officiating, running tournaments). Evaluation will measure participation and attitude, knowledge and leadership

## **SCIENCE**

### **SCIENCE 8 (131)**

Science 8 is an introductory science course. The four main areas of investigation are cells and cell systems, fluids, water systems on earth, and optics.

### **SCIENCE 9 (231)**

The Science 9 course is built around four major units – atoms and elements, characteristics of electricity, reproduction and space exploration. Science safety is stressed. In addition to teaching basic science concepts, terminology and social implications of scientific knowledge are incorporated.

### **SCIENCE 10 (331)**

The Science 10 program is built around four major themes – sustainability of ecosystems, chemical reactions, and motion and heat transfer in natural systems. Students are expected to write a provincial final exam.

### **BIOLOGY 11 (431)**

This course presents a representative sample of organisms and introduces students to a variety of laboratory skills and scientific processes. The three main themes in Biology 11 are unity and diversity, evolution and ecological relationships. Under these themes, the Biology 11 curriculum is organized into six main sections: Adaptation and Evolution, Microbiology, Mycology, Plant biology, Animal biology and Ecology. Biology 11 demands that students be prepared to develop a strong understanding of biological terminology as the course progresses. Student participation in dissection is also required. Students will be required to collect and bring in samples from time to time.

Prerequisite: SC 10 (C+ standing is suggested)

### **CHEMISTRY 11 (434)**

The course will cover topics on safety, properties of substances, the mole concept, chemical reactions, atomic structure, periodic

table, chemical bonding, solutions and organic chemistry. If time permits, optional units will be covered. This course is a prerequisite for all university science programs.

*Prerequisite:* It is recommended that students have at least a C+ standing in Science 10 and Principles Math 10 before taking Chemistry 11.

### **PHYSICS 11 (437)**

Physics is an introductory course that focuses on the principles and theories of physics, encourages investigation of physical relationships, and illustrates the relationship between theory and application. The application of physics to everyday situations is highlighted throughout the curriculum. The organizers in this course have been chosen to be representative of physics, and skills and knowledge provide a solid base for further study. The learning outcomes for Physics 11 are grouped under seven curriculum organizers:

- Physics – Introduction
- Wave Motion & Geometrical Optics
- Kinetics
- Dynamics in One Dimension
- Energy
- Special Relativity
- Nuclear Fission and Fusion

*Prerequisite:* It is recommended that students have at least a C+ standing in Science 10 and Principles Math 10 before taking Physics 11.

*This course is a prerequisite for all university science programs.*

### **FORESTRY 11 (9807)**

This senior science course is a botany and biology based course that involves the study of the forest. Included in the course are learning opportunities around forest resources, practices, ecology and marketing.

This course is accepted for the graduation program.

### **EARTH SCIENCE 11 (435)**

Earth Science is a course designed to introduce students to the diverse aspects of Earth and Space Science. Students entering this course should have a good knowledge of science skills and course content from their junior grades, at least a C is recommended.

This course is based on six key subject areas: Earth and Environment, Geological Science,

Oceanographic Science, Astronomical Science, Atmospheric Science and Earth's History.

Activities encourage critical thinking in Environment issues, as well as interpreting the impact of human activities on the planet.

This course is accepted for the graduation program.

### **BIOLOGY 12 (531)**

Biology 12 focuses on human biology. The three main themes are cell biology, cell processes and applications and human biology. Under these themes, the Biology 12 curriculum is organized into 14 main sections: cell structure, cell compounds, biological molecules, DNA, protein synthesis, cancer, cell membranes, enzymes, digestion, circulation, respiration, nervous system, urinary system, and reproductive system. Biology 12 is a provincially examinable course. An ability to work well with biological terminology is essential. Students have the option to write the Provincial Final Exam.

*Prerequisite:* Strongly recommend Ch 11 and BI 11

### **CHEMISTRY 12 (534)**

Chemistry 12 provides an in-depth study of reaction rates, equilibrium, solubility, acids and bases, and oxidation-reduction. Success in the course requires ability in problem-solving and the handling of numerical calculation, as well as a demonstrated ability to perform, analyze and report on experiments in the various topics. Students have the option to write the Provincial Final Exam. **Note:** Chemistry 12 is currently offered every second year starting 2010/2011.

*Prerequisite:* CH 11

### **PHYSICS 12 (537)**

Physics 12 is a course in which the following principles are studied: kinematics, dynamics, energy and momentum, static equilibrium, circular motion, electrostatics, circuitry, and electromagnetism. Strong mathematical skills are essential. Students are expected to develop skills in problem-solving and in collection, analysis and reporting of experimental results. Students have the option to write the Provincial Final Exam.

*Prerequisite:* PH 11

## **SOCIAL STUDIES**

### **SOCIAL STUDIES 8 (111)**

Social Studies 8 is a study of our diverse heritage. Besides developing basic geographic knowledge and skills, students will study the Middle Ages - from the collapse of the Greco-Roman civilizations through the feudal ages to the Renaissance and Reformation. Other topics studied will include the Byzantine, Islamic, Indian, Chinese and Japanese civilizations; exploration and conquest; as well as current events.

### **SOCIAL STUDIES 9 (211)**

The Social Studies 9 course is a study of the Growth of Nations. The course deals with the development of basic geographic skills: the growth and development of North America to 1815; Nation building, nationalism and democratic concepts; industrialization; and current events.

### **SOCIAL STUDIES 10 (311)**

Social Studies 10 is a study of Canada with special emphasis on the achievement of responsible government, confederation, development of the west to 1914, Canada's economic activities, BC's economic activities, the Pacific Rim, and current events and developments. For each of Canada's regions, historic and geographic studies will be integrated. Current events will also be included.

### **SOCIAL STUDIES 11 (411)**

This course required for graduation is based on a study of Canada – its government institutions and the global perspectives of the country. World population and development are stressed in the geography section. The history portion stresses the study of Canada in her world setting in areas such as autonomy, nationalism, economy and external relations from Confederation to the present day.

This course has a required provincial exam worth 20%.

### **PSYCHOLOGY 12 (5120)**

This introductory overview of psychology covers topics such as psychological methods, human development, theories of personality, learning and thinking, emotions, motivation, conflict and

adjusted and psychological disturbances and treatment. Assessment will be based on assignments, reports, projects, classroom tests and a final exam.

*Prerequisite: SS 10 is recommended.*

### **CIVIC STUDIES 11 (4161)**

Students will acquire knowledge and develop understandings that enable them to become more mindful of their connections to the civic world and of their responsibilities as members of various local and global communities.

- Students will learn to access and think critically about a range of information and viewpoints on a variety of civic issues.
- Students will learn how to become informed decision makers on matters of public concern,
- Thereby better able to assess critically the effects of their choices on themselves and others.
- Students will learn to become active citizens and responsible agents of change.

### **HISTORY 12 (511)**

This elective course in Twentieth Century world history should provide the background for a clearer understanding of the contemporary world. Topics include the legacy of the Nineteenth Century leading to World War I; the Russian Revolution; the League of Nations; the search for security; the emergency of totalitarianism; World War II; the Cold War; the developing world; the United Nations; efforts to secure peace; other current topics.

Students may write a Provincial Final exam.

*Prerequisite: SS 11*

### **GEOGRAPHY 12 (514)**

This elective course is concerned with the inter-relationships between man and his environment. Specific problems will be examined from a geographical perspective. The first part of the course deals with the physical environment – the land, the atmosphere and the oceans. The second part considers man at different levels of scientific and technological knowledge, using the environment to satisfy human need.

Students may write a Provincial Final Exam.

*Prerequisite: SS 11*

## **LAW 12 (517)**

This course presents an overview of the Canadian legal system, and emphasizes how the law affects citizens. Emphasis is given to the court system and criminal law. Topics include law enforcement, contracts, civil wrongs such as assaults and acquiring and safeguarding personal property. The course will give students a greater awareness of the effect the law has on them on a daily basis, and an understanding of their civil and statutory rights. *Prerequisite: SS 11*

## **FIRST NATIONS STUDIES 12 (5515)**

This course focuses on the diversity, depth, and integrity of the cultures of British Columbia's Aboriginal peoples. In emphasizing the languages, cultures, and history of First Nations peoples. This course can be taken as the Social Studies 11 requirement toward graduation. This course has a required provincial exam worth 20%.

## **TECHNOLOGY EDUCATION**

### **WOODWORK 9 (270)**

This introductory course provides instruction in use of hand tools and machine skills. Work shop safety will be emphasized. Students will become familiar with common materials, project design, drawing and management.

### **WOODWORK 10 (3701)**

An advanced woodwork course for students who have completed WW 9. Students are expected to further develop skills with using all hand and power tools in the shop. Projects will be designed, costed and will be of a more sophisticated/complex nature.

### **METALWORK 9 (274)**

This introductory course will include workshop safety, project design, drawing and management. Students will also learn bench work, and safe use for tools such as the drill press, grinder, lathe and forging. Safe use of hand and power equipment will be stressed at all times.

## **METALWORK 10 (3740)**

This course is an continuation of the metalwork 9 program. Students will be required to use more expertise and demonstrate a higher level of knowledge and competency in the shop area.

## **CARPENTRY AND JOINERY 11 (4707)**

This course provides basic and advanced instruction concerning the construction and finishing of quality wood projects. Students will explore many aspects of the wood products industry including wood selection and design. Safe and proper shop practices will be emphasized. Orthographic and pictorial drafting are integrated into the course.

## **CARPENTRY AND JOINERY 12 (5707)**

Students will continue to develop their employability skills. Students will advance their skills and techniques in hand and machine work, drafting and project management. Safe and proper shop practices will be emphasized. Residential construction is introduced through construction of small buildings.

## **METAL FABRICATION AND MACHINING 11 and 12 (Grade 11: 4739, Grade 12: 5739)**

This course explores a number of the metalworking areas: machining, gas and arc welding, sheet metal, forge and foundry work. A number of projects will be completed by each student. Instruction is provided in safety, drafting, project design and management. In the grade 12 course, student will be expected to design and produce their own projects.\*\***Jewelry Option**\*\* There will be a jewelry making option in metal work, which will consist of an introduction to jewelry making and will be primarily working with wire to make bracelets, necklaces and earrings. We will also use the metal lathe to produce rings and bands. We will work with various metal such as nickel, silver, brass and bronze, and copper. This option should not take up more than 30% of the class but special permission may be obtained to extend this option.

## **BUSINESS EDUCATION**

### **INTRODUCTION TO INFORMATION TECHNOLOGY 9/10 (4688)**

This course introduces students to the world of computers. Topics covered include an introduction to hardware and software, keyboarding, desktop publishing, computer programming, file management, storage, scanners, digital cameras, and other peripheral devices. There are no prerequisites required for this course.

### **DIGITAL COMMUNICATIONS AND PROGRAMMING 11 (4691)**

This is a computer science course designed to give students an introduction to a variety of programs that integrate problem solving, graphic design, and programming. The programs covered offer a variety of media creation and distribution genre, including: Adobe Flash for Web animations, 3ds max for game and movie 3D animations, Game Maker for computer game development, MIT's Scratch for game and presentation programming, MS Visual Basic for Windows programs, XHTML & Adobe Dreamweaver for WWW development, just to name a few.

### **DIGITAL COMMUNICATIONS AND PROGRAMMING 12 (5691)**

This is a continuation of Digital Communications & Programming 11 with students taking their learning to new levels. Students work at their own pace and ability with self-paced tutorials and projects. An opportunity is given for students, with qualifying skills, to do specialized projects.

### **DIGITAL MEDIA DEVELOPMENT 11 (4689)**

This course introduces students to digital media production across a variety of media including desktop video production, 2D graphic design, 3D animation and Web publishing. Students will be using programs such as Final Cut Pro, Adobe Premier, Macromedia Flash MX, 3DS Studio Max and Adobe Dreamweaver. No prerequisites are required for this course, but

familiarity with some of these programs would be helpful.

### **DIGITAL MEDIA DEVELOPMENT 12 (5689)**

Take your skills with digital media production to a higher level with advanced techniques using a variety of media including desktop video production, 2D graphic design, 3D animation and Web publishing. Students will be using programs such as Final Cut Pro, Adobe Premier, Macromedia Flash MX, 3DS Studio Max, and Adobe Dreamweaver. The prerequisite required for this course is Digital Media Development 11.

### **COMPUTER PROGRAMMING 11 (469)**

This is a computer programming course designed to give students a good foundation in programming language for MS Visual Basic and basic Web programming. Students will learn the history of programming and the basic operation of computers as well as instruction in programming methodology and structures. Emphasis on program design and algorithms will aid students in designing their own Windows programs to solve everyday problems. Web programming will include site research and design, XHTML coding, validation and an introduction to Java. There are no prerequisites for this course.

### **COMPUTER PROGRAMMING 12 (569)**

This programming course continues on from ICTP 11. It is designed to give students advanced skills for programming in MS Visual Basic and Web programming. Students will learn about arrays, files, searching/sorting, object oriented programming and application design. A strong emphasis will be on program design and algorithms to aid students in designing their own Windows programs to solve everyday problems. Web programming will include site research and design, XHTML coding, validation, and an introduction to Java. The prerequisite for this course is Computer Programming 11.

### **BUSINESS INFORMATION MANAGEMENT 12 (9805)**

This course provides development of keyboarding and computer skills to an employable, professional standard. Students will become proficient in WordPerfect, MS Office

and desktop publishing software. Other topics include job search skills, career exploration, business meetings and travel, and electronic mail.

## HOME ECONOMICS

The aim of Home Economics is to provide opportunities for students to develop knowledge skills and attitudes for their present and future lives.

### FOOD STUDIES 9 (284)

**The Basics of Cuisine.** Topics to be covered in this course include food safety, sanitation precautions and principles of good nutrition as they apply to meal planning and preparation. Cooking principles of fruit, vegetables, eggs, milk, cheese, meats, baking skills and foods for entertaining will be covered.

### FOODS AND NUTRITION 10 (384)

**Cuisine Across Canada** is the focus of this course. Areas of study include the following regions: Atlantic, Quebec, Ontario, Prairies, The North and British Columbia. Explore Canada through its unique food styles.

### FOODS AND NUTRITION 11 (4840)

**A Discovery of Cuisine.** Areas of study include; Appetizers, Soups and Stocks, Food Preservation, Protein Cookery, Healthy Lifestyles, Baked Products, Desserts, International and Holiday traditions.

*Prerequisite Foods 9 or 10 recommended.*

### FOODS AND NUTRITION 12 (5843)

**A Discovery of International Cuisine.** Areas of study include Breads, Pastry, Grains and Cakes from around the world. A study of ethnic cuisine is also included such as Greek, East Indian, and Japanese. (others to be decided by class)

*Prerequisite Foods 11 recommended.*

### CAFETERIA TRAINING 11 (4848)

This program focuses on quality food preparation and service. Students develop the skills necessary for commercial food preparation as they participate in activities related to receiving, storing and presenting nutritious foods. Students also have opportunities to develop attitudes required by food service

professionals and to practice customer service, and to make themselves more desirable in an increasingly competitive job market

### CAFETERIA TRAINING 12 (5848)

This course continues to build on the skills and attitudes the students have developed in Cafeteria Training 11. Students may be provided opportunities to prepare fine dining meals and catering.

### COOK TRAINING 11A and 12A (Gr 11A. 4832) (Gr. 12A. 5832)

Students who have successfully completed Cafeteria Training 11 and 12 are eligible to continue their studies of culinary arts. This course will build on skills already learned, and in addition to food preparation, students will learn valuable supervisory and management skills necessary to excel in a career of Culinary Arts.

*Prerequisite: Cafeteria Training 11 and 12 recommended.*

## JUNIOR TEXTILES

### CLOTHING AND TEXTILES 9 (281)

### CLOTHING AND TEXTILES 10 (381)

In these courses students will sew a minimum of four projects using sewing machines and sergers. Students will study natural fibres/fabrics, construction basics (such as cutting, stitching, closures, shaping devices, fitting, hemming), elements and principles of design, clothing recycling, textile careers, and influences on fashion and textiles.

## SENIOR TEXTILES

### CLOTHING AND TEXTILES 11 (4811)

### CLOTHING AND TEXTILES 12 (5811)

In these courses students will expand on basic sewing skills with more complicated projects. Topics include fashion drawing and design, applying design elements and principles to textile projects, recycle textiles into garments and functional items, explore textile related careers, and prepare design portfolios. Students will be required to complete several projects. Students may also take the opportunity to plan, design, construct, dress and maintain the costumes required for our theatre productions.

## **FASHION DESIGN 12 (5858)**

This course is for students interested in furthering their skills and knowledge about fashion and costume design. Topics include history of fashion, fashion drawing, fashion designers, and fashion trends. Students will complete several projects and assist in designing, developing, constructing, dressing, and maintaining costumes for the theatre productions.

Previous textile classes are not required but are helpful.

## **FAMILY STUDIES 11 and 12 (Gr. 11: 482) (Gr. 12: 582)**

Family Studies 11 and 12 provides students with the knowledge, skills, and attitudes that will assist them in making informed decisions related to parenting, adolescence, adulthood, family and interpersonal relationships, and housing and living environments. Family studies 10 to 12 comprises of six individual modular courses worth two credits each with two combined to make 4 credits. Teachers may select which modules will be offered based on interest. There are no prerequisites and students may take the modules in Grade 10, 11 or 12.

## **VISUAL AND PERFORMING ARTS**

Visual and Performing Arts include Art, Computer Imagery, Drama and Music.

## **VISUAL ARTS**

Images are central to the Visual Arts. In this program, students have the opportunity to perceive, respond to, and create and communicate through images. In developing images, the student will be involved in the design process - a purposeful artistic activity involving use of a variety of materials, technologies, and processes to organize visual elements according to the principles of art and design.

### **ART 9 (290)**

Students will explore image making in the following studio areas: drawing, painting, sculpture and printmaking. Instruction will be given regarding use of materials and techniques in each of the studio areas and students will design projects for their portfolios.

## **ART 10 (VISUAL ARTS 10: GENERAL) 391**

Students will continue to explore image making utilizing a variety of materials and techniques in the studio areas of drawing, painting, sculpture and printmaking. Emphasis will be on creativity, composition and technical skill.

## **ART FOUNDATIONS 11 (491)**

This is an advanced general art foundation course. A minimum of four out of six visual expression areas will be explored. This course will include continued exploration of the elements and principles of design through a variety of experiences in at least four of these areas: drawing, painting, ceramics, sculpture, textiles and graphics. Image development while applying different strategies is emphasized. Encouraged are an awareness of art history, art appreciation and reasoned criticism.

*Prerequisite: Recommend Art 10.*

## **ART 12 – Studio Arts 12 (5992)**

A senior-level course which provides two and three-dimensional design activities in a variety of media. Advanced art exploration in painting, drawing, print-making and sculpture and textiles comprises this course. Students are expected to have foundation level experiences enabling them to explore more advanced art processes.

*Prerequisite: AR 11recommended.*

## **YEARBOOK 9 – Visual Art 2D9 (2901)**

The intent of this computer-based course is to introduce students to a variety of publishing and graphics software and learn skills for the production of the school's Yearbook.

*Prerequisites; Computer Literacy*

## **YEARBOOK 10 – Visual Arts 10: Media Arts (3912)**

Students will be introduced to publishing layout, design principles and photography and will produce the school's yearbook on computers.

*Prerequisites; Computer Literacy*

## **YEARBOOK 11 – Desktop Publishing (4632)**

In addition to an introduction to journalism and advertising, students will utilize layout and

photography composition skills to publish and market the school's Yearbook.

*Prerequisites: Computer Literacy*

### **YEARBOOK 12 (591)**

This computer-based course will produce the core leaders responsible for the theme, cover and complete layout of the Yearbook. Editors and department heads will practice their organization and leadership skills. Graphics, photography, layout, journalism and marketing skills will be employed.

*Prerequisites: Computer Literacy*

### **COMPUTER ASSISTED IMAGERY – Visual Art 9 (2696)**

Students will explore image-making on computers by creating logos, graphics, "paintings", animation, graphs and charts, slideshows, flyers, brochures, and posters. Students will be working with Adobe Creative Suite 4 software package.

### **COMPUTER ANIMATION 10 (3920)**

This introduction to the world of computer animation will primarily focus on 2D animation using Macromedia Flash. Storyboarding, story development and drawing skills will be a primary focus.

*Recommended: Computer Assisted Imagery 9*

### **COMPUTER ANIMATION 11 – Visual Arts: Media Arts (492)**

Students will bring animation to life in this course which will further explore and expand on extended learning in Macromedia Flash. An introduction to the world of 3D graphics and animation will also be included.

*Recommended: Animation 10*

### **COMPUTER ANIMATION 12 – Visual Arts: Media Arts (592)**

Using the industry-standard program 3D Studio MAX, students will employ the fundamental skills learned in Animation 11 to create 3D scenes and stories in virtual environment. Advertising, broadcasting, multi-media and film production are among the fields currently demanding skills in this area.

*Prerequisite: Animation 11*

### **DRAMA FILM AND TELEVISION 10 (397)**

This course offers students an introduction to acting on camera and video production. Students will learn how TV and video systems work, how to operate a video camera, the various jobs on a movie set, digital storytelling, sound, lighting techniques, and will be introduced to post-production equipment (editing, audio, animation, compositing). This course will provide hands-on learning in the basic skills required to enter this rapidly growing industry.

### **DRAMA FILM AND TELEVISION 11 (497)**

Become part of a professional film & television crew and learn the various aspects of broadcast media and entertainment production. You will learn the basic skills and techniques of film and video production through hands-on experience as members of a TV crew. Topics covered include: acting workshops, camera operation, sound recordist, boom operator, lighting technician, script supervision and other general production duties. An introduction to digital storytelling, and other related topics, will also be covered.

### **DRAMA FILM AND TELEVISION 12 (597)**

Learn advanced techniques in the creation of professional audio and video production. Skills taught include: digital storytelling, directing and producing videos, editing audio and video using non-linear systems, and special effects. Students will take on the role of producer-director and oversee the production crews as they work together to set up, shoot and edit videos from student-created scripts.

### **PHOTOGRAPHY 10 (3923)**

Would you like to get more out of your "point and shoot" camera? This course will teach you the basic operation of digital cameras and also give you an introduction to the principles of photography. Black and White film, critiquing photographs and methods of presentation will also be covered.

### **PHOTOGRAPHY 11 (4923)**

This course is a more in-depth look at photography with the introduction of the digital SLR. Students will learn the photographic

process for digital and film capture of images. Camera controls (aperture, shutter speed, ISO, etc.) will be covered along with the Elements of Design and Principles of Composition. Black and White film processing, critiquing photographs, digital darkroom, and methods of presentation, among others, will also be covered.

### **PHOTOGRAPHY 12 (5923)**

This course is a continuation of Photography 11 and it gives students, with qualifications, the opportunity to pursue select avenues of interest: photojournalism, landscape photography, portrait photography, etc. Black and White photography, critiquing photographs and methods of presentation form an integral part of this course.

## **DRAMA**

### **DRAMA 9 (293)**

Drama education gives students the chance to bring imagination to life. It is both interactive and creative and eases learning and understanding through practice in situations that may happen in real life. Acting is a natural way of learning about the world by offering a "trying-on" experience in a safe environment.

### **DRAMA 10 (393)**

Three main topics covered in both Drama 9 and Drama 10 include:

**Exploration and Imagination:** students examine their thoughts, feelings, beliefs and actions through imagination, interaction and reflection.

**Drama Skills:** students practice skills like body and voice, role, drama as a metaphor, elements and structures, and technique.

**Context:** students begin to understand how drama applies to their lives and their world.

### **THEATRE PRODUCTION 11 (4929)**

This is a stagecraft course which runs in conjunction with musical theatre. It consists of set design and construction, property construction, painting and front-of-house production duties such as publicity, sponsorship and programs.

### **DIRECTING & SCRIPT DEVELOPMENT 12 (5939)**

Students will be expected to direct a one-act play for performance; in addition, there will be a formal study of directing methods. Students will also be expected to write plays and study the techniques of playwriting. This course will only run if there is sufficient enrolment.

*Prerequisite: ACT 11 recommended*

### **MUSICAL THEATRE 9-12**

**MT9 (2955); MT10 (9792):**

**MT11 (9802); MT (9803)**

### **(OFFERED OUTSIDE THE TIMETABLE)**

This course is for students interested in singing, dancing and acting. It is usually a joint production of the music department and the drama department. Students must go through an audition process and be committed to attending additional rehearsals as required.

## **MUSIC**

The Bands are the main ensemble for woodwind, brass and percussion instruments. These bands will perform a wide variety of musical styles including: classics, overtures, marches, film music, and pop. The bands will perform in Christmas and year-end concerts, festivals, and on tour. Grade 8-12 students will be grouped into Junior and Senior Bands according to experience level.

### **BAND 8 (195)**

Band 8 is a continuation of a student's musical development on a selected instrument through the medium of concert band. Anyone wishing to take band with no musical experience is also welcome. Students are required to perform at any scheduled concerts during the year.

### **CONCERT BAND 9 – 12 (Gr. 9: 295; Gr. 10: 9738; Gr. 11: 9736; Gr. 12: 9743)**

Band 9-12 is a continuation of a student's development on selected instruments through the medium of concert band. Students must have taken band previously and/or received permission from the band director. Students are required to perform at any scheduled concerts during the year.

**JAZZ BAND 8 – 12 (Gr. 0: 2952; Gr. 10: 9740; Gr. 11: 9737; Gr. 12: 5948)**

Jazz band is open to grade 8 –12 players of trumpet, trombone, saxophone, keyboard, guitar, bass, and drums. Jazz Band musicians will study and perform music in the jazz, blues, Latin and rock styles. Students will also study and perform written and improvised solos. The jazz band will perform in concerts, festivals, and on tour. Jazz band class may have size limits. Students may select jazz band with the approval of the musical director. Grade 8 -10 brass and woodwind players must be enrolled in Band 8 or concert band.

**MUSIC: COMPOSITION AND TECHNOLOGY (GR.11 4971) (GR.12 5971)**

Students will learn how to read and appreciate all styles of music while learning to play the piano. Students will be encouraged to explore their own musical tastes from pop to classical. Students will learn proper technique as well as theory. No music knowledge required.

**MUSICAL THEATRE 8 – 12**

This course is open to students who have experience on an instrument and can read music. It is also for students who would like to sing. Auditions will be required for solo parts. Performances and rehearsals are mandatory.

**CHOIR 8, 9 & 10 (GR. 8 1944, GR. 9 2944) CHORAL MUSIC 11 & 12 (GR. 10 3944, GR. 11 4944, GR. 12 5944)**

No music experience needed, only the love to sing. We will explore pop and Broadway in groups and solos. No performances unless agreed upon by the class.

**GRADE 9 COURSES BACKED WITH HEALTH AND CAREERS**

**HEALTH AND CAREERS 8 and 9**

The curriculum focuses on preparing students to make and implement plans in order to meet their personal education and career goals. It also prepares students to meet the challenges of a changing workplace effectively. Units of study include the following:

- collecting information

- making plans and decisions
- implementing and monitoring
- healthy living
- mental well-being
- family life
- child abuse prevention
- substance abuse prevention
- safety
- career exploration

Because Health and Careers is a one term course (one semester = 2 terms), students have a mini-elective for the 2<sup>nd</sup> term or remainder of the semester. The options may include:

**ART 9T (2903)**

Students will explore image making in the following studio areas: drawing, painting, sculpture and printmaking. Instruction will be given regarding use of materials and techniques in each of the studio areas and students will design projects for their portfolios. Projects will be designed to complement the work done in Health & Careers 9.

**DRAMA 9T (2932)**

Drama education gives students the chance to bring imagination to life. It is both interactive and creative and eases learning and understanding through practice in situations that may happen in real life. Acting is a natural way of learning about the world by offering a “trying-on” experience in a safe environment.

**FOODS & NUTRITION 9T (2841)**

Topics to be covered in this course include food safety, sanitation precautions and principles of good nutrition as they apply to meal planning and preparation. Cooking principles of fruit, vegetables, eggs, milk, cheese, meats will be covered. Baking skills and foods for entertaining will be covered.

**PLANNING 10 (3002)**

The Planning curriculum focuses on preparing students to make and implement plans in order to meet their personal, educational and career goals. It also prepares students to meet the challenges of a changing world.

Planning 10 is divided into four curriculum organizers:

- ◆ The Graduation Program
- ◆ Education and Careers
- ◆ Health
- ◆ Finances

Through the study of these four areas students will become informed decision makers, able to access information, develop and understanding of their personal responsibility, and develop the skills and knowledge that enable them to plan for a successful completion and transition from secondary school. **Planning 10 is worth 4 credits and required for graduation.**

## **ADDITIONAL ELECTIVES**

### **PEER TUTORING 10 (3095)**

Peer tutoring is an elective program for students who are interested and capable of helping other students with their school work.

It provides a great service to the school, while giving the tutors a valuable opportunity to develop communication and leadership skills.

To become a peer tutor the student must have the necessary academic background to be able to assist effectively and the desire to work as a team, and have excellent attendance.

To be accepted as a peer tutor, the students has to go through an application process and complete some training before receiving their assignment.

### **PEER TUTORING 11 (4095)**

Peer tutoring in a full semester elective program is designed for students with above average ability. Student should have a desire to help others, should be responsible and mature and should have an excellent attendance record. Peer tutors undergo a training period; they then assist clients under the guidance and supervision of a teacher. Of benefit to the tutors is the opportunity to increase their communication, organization and study skills. Good attendance is a requirement for this course.

### **LEADERSHIP 11 (4415)**

This course is designed to give students the opportunity to develop their leadership potential through the acquisition and application of leadership skills. Students will develop skills in areas of goal setting, time management, community service and public relations. They will develop and complete leadership projects and demonstrate an ability to work independently.

## **HUMAN SERVICES 11 AND 12**

### **Gr 11. (444) Gr 12. (544)**

This course enrolls students in grades 9-11 and may be taken at each grade level. Students work together in cross-grade teams to complete assigned and optional projects ranging from amusing activities, to athletics, to service projects in the community. Students must make application to enter this course. Course objectives include:

- how to work with others and be a reliable follower as well as a leader
- the creating of a project from scratch, solving problems creatively and resourcefully
- time management, organizational skills, and delegation of responsibilities
- "playing by the rules" within an organization or a community: winning approval from decision-makers and working with a wide range of people from elementary students to senior citizens
- refereeing of student games
- tournament organization and directing
- student intramural and extra-curricular events

## **BA CAREER EXPLORATIONS 12 (9742)**

Career Explorations 12 provides students with an opportunity to plan and prepare for their careers beyond secondary school education. Students require a minimum of 100 hours of work or volunteer experience. Students must also complete relevant paperwork.

## NOTES