

COURSE SELECTION HANDBOOK

**2017 – 2018
Grade 9 to 12**



**TAMANAWIS
Secondary School**

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Grade Nine Plan

What Courses Do I Need to Take?

1. English 9
2. Mathematics 9
3. Physical Education 9 (Boys/Girls)
4. Science 9
5. Social Studies 9
6. Applied Skills Elective
7. Fine Arts Elective
8. Elective

NOTE

1. At least one of the electives must be a Fine Art (Dance, Drama, Music or Visual Arts) and at least one of the electives must be an Applied Skill (Technology Education, Information Technology, Home Economics or Business Education)
2. Students are strongly encouraged to continue selecting a language class as an elective for as long as possible.
3. Students begin the Graduation Program in their Grade 10 year. Careful and thoughtful selection of electives during Grade 9 is important in the beginning to identify a focused area of study which students will be asked to consider and choose as they enter the Graduation Program.

The Graduation Program Grades 10/11/12

OVERVIEW OF THE GRADUATION PROGRAM

REQUIRED CREDITS

A total of 80 credits are needed for Graduation.

These are 52 of the 80 credits required for Graduation:

- Language Arts 10, 11,12 (12 credits)
- Math 10 and 11 or 12 (8 credits)
- Physical Education 10 (4 credits)
- Planning 10 (4 credits)
- Science 10 and a Science 11 or Science 12 (8 credits)
- Socials Studies 10 and Social Studies 11 (8 credits)
- Fine Arts or Applied Skills 10, 11 or 12 (4 credits)
- Graduation Transitions (4 credits)

To graduate you need the 52 credits from required courses (listed above) and a minimum of 28 credits from elective courses. A minimum of 16 credits must be at the Grade 12 level, including Language Arts 12. (All courses must be ministry authorized or board authorized/approved courses).

More information regarding the graduation program can be found at www.bced.gov.bc.ca/graduation.

Graduation Program Exam:

There is one required Graduation Program exam. The final mark is a blended average of the school grade (assigned by the teacher) and the exam score.

- English Language Arts 12 or Communications 12 (40%)

More information regarding the exam can be found at www.bced.gov.bc.ca/exams.

Graduation Transitions:

To build a successful future, students need more than academic skills. Students need to know about career planning, employability skills, and personal health. As part of the graduation program, students demonstrate their knowledge of these areas by documenting their work in a Transition Plan presented in an Exit Interview in Grade 12.

The Graduation Transition Plan is a paper-based or electronic collection of student work, or other records of achievement. The documentation begins in Grade 10, with specific support and guidance provided as part of the Planning 10 course.

Students collect and file evidence in 3 areas:

- Community Involvement and Responsibility
(including 30 hours of work/volunteer experience)
- Personal Health
(including 150 minutes of physical activity per week)
- Career and Life Planning
(including a transition plan and exit interview presentation)

Students must meet minimum requirements in all three areas in order to graduate. Students will receive periodic Graduation Transitions progress reports.

Rules for Graduation – What Do I Need?

REQUIRED CREDITS

A total of 80 credits are required for graduation.

I must pass all of the following:

- Language Arts 10, 11,12 (12 credits)
- Math 10 and 11 or 12 (8 credits)
- Physical Education 10 (4 credits)
- Planning 10 or Career Life Education 10 (4 credits)
- Science 10 and a Science 11 or Science 12 (8 credits)
- Socials Studies 10 and Social Studies 11 (8 credits)
- Fine Arts or Applied Skills 10, 11 or 12 (4 credits)
- Graduation Transitions (4 credits)

PROGRAM OF STUDIES FOR GRADES 10, 11 and 12		
Student:		
Grade 10	Grade 11	Grade 12
1. Language Arts 10	1. Language Arts 11	1. Language Arts 12
2. Math 10	2. Math 11 or 12	2. Elective 12
3. Physical Education 10	3. Science 11 or 12	3. Elective 12
4. Planning 10 or Career Life Education 10	4. Social Studies 11 or BC First Nations 12	4. Elective 12
5. Science 10	5. Elective 10/11/12	5. Elective 10/11/12
6. Social Studies 10	6. Elective 10/11/12	6. Elective 10/11/12
7. Elective 10/11/12	7. Elective 10/11/12	7. Elective 10/11/12
8. Elective 10/11/12	8. Elective 10/11/12	8. Elective 10/11/12

COURSE DESCRIPTIONS

Grades

9, 10, 11 and 12

ENGLISH

ENGLISH 9, 11 and 12

English Language Arts is a foundational curriculum that equips students with the language and literacy skills for success in school, community, career, and life. It provides students the opportunity to become effective communicators, to develop and express their own ideas, and to think deeply and critically about the ideas of others. Evaluation in English 12 is based on an 80% class mark and a 40% Provincial Exam.

ENGLISH 10

(Composition Creative Writing Focus)

Key Question: How do we understand ourselves and the world through stories, poetry, films, songs, and other creative forms?

Description:

We will collaborate to create and understand how stories, poems, films, songs, and other creative texts help us understand ourselves and the world. In addition to focusing on the creative process, we will learn to write essays and analyze and discuss a variety of texts.

ENGLISH 10 (Composition New Media Focus)

Key Question: How do we understand the world through new media tools such as social media, blogs, websites, podcasts, gaming, etc. to explain the world and express ourselves?

Description:

We will collaborate to create and understand how different types of new media help us to understand ourselves and the world. In addition to focusing on new media, we will learn to write essays and analyze and discuss a variety of texts.

ENGLISH 10 (Composition Thematic Reading)

Key Question: How do we understand the world through what we read?

Description: We will collaborate to create and understand the world through a variety of literature from different authors, themes, and time periods. In addition to focusing on thematic reading, we will learn to write essays and analyze and discuss a variety of texts.

ENGLISH ENRICHED COURSES

For students with exceptional interest and outstanding achievement in the Humanities or English 10, Tamanawis offers one ‘enriched’ section of English 11 and English 12. The enriched classes are designed for enrichment as opposed to advancement. Students interested in taking an enriched course must fill out an application form available through the counseling office.

ENGLISH 11 ENRICHED

English 11 Enriched is an enhanced English 11 course with the same prerequisite and learning outcomes, and similar topics covered, but with a more in-depth focus. It is intended for students who would like to challenge themselves and who have demonstrated an interest in literature and language. Students should be self-motivated and enjoy reading, writing, discussion, and analysis. This course will provide an excellent preparation for senior English electives such as Literature 11/12 or Creative Writing 11/12.

Assessment and evaluation, will be based on English 11 core curriculum (the same as regular English 11). However, students will be expected to demonstrate higher levels of mastery and critical thinking. This course follows the prescribed Ministry of Education learning outcomes and performance standards. Assessment and evaluation may be based on assignments, projects, presentations, responses, examinations, and improvements in the following skills: writing, reading, oral communication, viewing and representing.

ENGLISH

ENGLISH 12 ENRICHED

This is a course for students who love literature, and particularly, literary analysis. The course has the same learning outcomes as English 12, but will offer students a chance to delve deeper into the chosen pieces of literature.

The class will be run with a "university style" focus, which includes a heavy emphasis on discussion, debate, and the academic exchange of ideas. If you love English and want an enriching experience, don't miss this class.

This course follows the prescribed Ministry of Education learning outcomes and performance standards. Assessment and evaluation may be based on assignments, projects, presentations, responses, examinations, and improvements in the following skills: writing, reading, oral communication, viewing and representing.

WRITING 11/12

Writing 11/12 is a course for students who have both a keen interest and a flair for creative writing. This course examines different methods used by professional writers to hone their craft and then allows students to experiment and explore what works for them. Students will write short scenes, short stories etc., poetry reflections in a workshop setting. Please know that this is not a novel writing course. Career opportunities: writing and publishing. Personal opportunities: to delve into your creative talent.

Evaluation is based on assignments, writing journals, and oral readings.

This course follows the prescribed Ministry of Education learning outcomes and performance standards. Assessment and evaluation may be based on assignments, projects, presentations, responses, examinations, and improvements in the following skills: writing, reading, oral communication, viewing and representing.

COMMUNICATIONS 12

Communications 12, an alternative to English 12, is designed for students not proceeding directly to university. Like English 12, it integrates the skills of reading, writing, oral communication, viewing and representing. It is intended to develop and enhance students' appreciation of literature and language.

The activities and resources are increasingly more sophisticated, but are carefully selected to appeal to the range of students' interests and abilities.

- Students will read for a variety of purposes and demonstrate understanding of short stories, novels, poetry, drama and non-fiction.
- In writing, the emphasis will be on practical composition skills, employing all stages of the writing process: pre-writing, drafting, editing, proofreading, and publishing.
- Oral communication skills develop an awareness and appreciation of audience, purpose and context.
- In viewing, students will study techniques used to convey meaning in visual and mass media.
- Students select and create a variety of representational forms to assist in the development and expression of ideas.

This course follows the prescribed Ministry of Education learning outcomes and performance standards. Assessment and evaluation may be based on assignments, projects, presentations, response examinations, and improvements in the following skills: writing, reading, oral communication, viewing and representing. Final evaluation is based on an 80% class mark and a 40% Provincial Exam.

ENGLISH

LITERATURE 11/12

This is a survey course in English Literature. It traces the development of English Literature from Anglo-Saxon times to the twenty first century. It includes a study of the social and historical background, as well as the major writers of each literary period. Students will develop critical thinking skills in evaluating and appreciating English literature, and their understanding of self and society will increase through this knowledge.

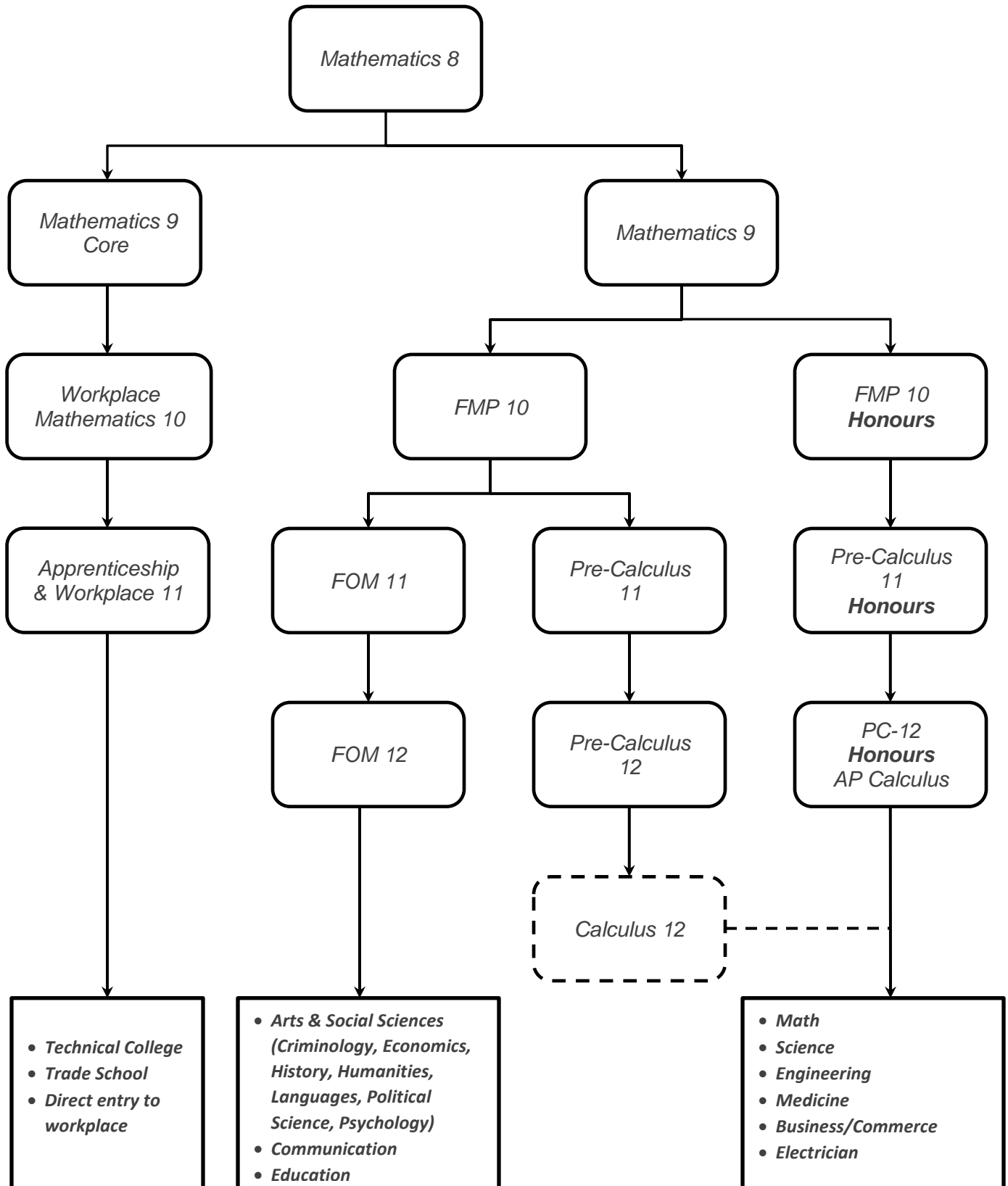
This course is particularly valuable for students who wish to acquire the wide reading background and the critical skills necessary for university English

and Humanities courses, or who plan careers in Fine Arts fields such as music, drama or art. This is not a provincially examinable course.

This course follows the prescribed Ministry of Education learning outcomes and performance standards. Assessment and evaluation may be based on assignments, projects, presentations, responses, examinations, and improvements in the following skills: writing, reading, oral communication, viewing and representing.

MATHEMATICS

MATHEMATICS PATHWAYS 2017 - 2018



NOTE: It is important that students verify with their Post-Secondary institutions regarding pre-requisite courses and required grades.

MATHEMATICS

MATHEMATICS OVERVIEW

The mathematics program at Tamanawis Secondary School is designed to provide all students with opportunities to make progress towards achieving their intellectual, social and career goals. As students explore their mathematics course options, they need to keep in mind their career objectives and identify the courses required to fulfill their goals. It is also important that both parents and students maintain regular contact with their mathematics teacher to review appropriate course placements.

The main goals of mathematics education include:

- Using mathematics confidently to solve problems
- Using mathematics to better understand the world around us
- Communicating and reasoning mathematically
- Appreciating and valuing mathematics
- Making connections between mathematics and its applications.
- Becoming mathematically literate and using mathematics to participate in and contribute to society.

The new mathematics curriculum is designed to allow all students to learn skills to successfully locate, analyze and apply the information they need in their work and personal lives after they graduate. They include the four major strands of competencies that are critical to students' learning, doing and understanding of Mathematics.

Reasoning and Analyzing

- Demonstrate fluency with mental mathematics and estimation
- Develop inductive and deductive mathematical reasoning
- Use tools or technology to explore and create patterns and relationships, and test conjectures

Understanding and Solving

- Develop, construct and apply new mathematical knowledge through play, inquiry, and problem solving
- Demonstrate multiple strategies to solve problems in both abstract and real-life situations using different cultural perspectives

Communicating and Representing

- Use mathematical vocabulary and language to communicate in a variety of ways to explain, clarify, and justify ideas
- Develop mathematical understanding through concrete, pictorial and symbolic representations

Connecting and Reflecting

- Develop visualization skills to assist in exploring, connecting, applying, and describing concepts to each other, to other disciplines, and to the real world

It is advised that both parents and students maintain contact with the Mathematics teacher when concerns or questions arise concerning Mathematics placements.

MATHEMATICS

MATHEMATICS 9

Entry into this course requires a recommendation from the student's Mathematics 8 teacher.

The Mathematics 9 curriculum is designed to encourage a deeper understanding of the following concepts: Rational numbers and number operations, exponent laws, spatial proportional reasoning solving linear equations, operations with polynomials, probability and statistics in society, and financial literacy (simple budgets and transactions). You will be evaluated on how well you know the content as well as what you can demonstrate in all four dimensions of the curricular competencies.

MATHEMATICS 9 CORE

This course is intended for students who require a more concrete approach to gain a stronger foundation in mathematics. Most of the topics from Maths 9 will be covered, but in less depth. This course is designed for students who intend to take Workplace Mathematics 10 the following year.

You will be evaluated on how well you know the content as well as what you can demonstrate in all four dimensions of the curricular competencies.

WORKPLACE MATHEMATICS 10 (WM 10)

This course 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: puzzles and games for computational fluency, creating, interpreting, and critiquing graphs, primary trigonometric ratios, Metric and Imperial measurement and conversions, solving problems involving surface area and volume, angles, probability and statistics, and financial literacy (gross and net pay).

You will be evaluated on how well you know the content as well as what you can demonstrate in all four dimensions of the curricular competencies.

FOUNDATIONS OF MATHEMATICS AND PRE-CALCULUS 10 (FMP 10)

Entry into this course requires a recommendation from the student's Mathematics 9 teacher.

This course is designed to provide students with the mathematical understandings and critical-thinking skills identified for entry into post-secondary programs. This course leads to either Foundations of Mathematics 11 or Pre-Calculus 11. The following topics will be studied: operations on powers, relationships among data, graphs, and situations, linear relations, including slope and equations of lines, solving systems of linear relations, multiplication of polynomial expressions, polynomial factoring, primary trigonometric ratios, experimental probability, and financial literacy (gross and net pay).

You will be evaluated on how well you know the content as well as what you can demonstrate in all four dimensions of the curricular competencies.

FOUNDATIONS OF MATHEMATICS AND PRE-CALCULUS 10 HONOURS (FMP 10H)

Entry into this course requires a recommendation from the student's Mathematics 9 teacher and a strong performance on the Pascal Mathematics Contest.

This course has the same curriculum and learning objectives as FMP10 but with a greater emphasis on enrichment, depth, contest preparation, and problem solving skills. The goal is to enrich the student's understanding by placing greater stress on critical thinking and the use of technology. All students will be required to participate in the Gauss Mathematics Contest.

You will be evaluated on how well you know the content as well as what you can demonstrate in all four dimensions of the curricular competencies.

MATHEMATICS

APPRENTICESHIP AND WORKPLACE

MATHEMATICS 11 (AWM 11)

Entry into this course requires a recommendation from the student's Grade 10 Math teacher.

This course is specifically designed to provide students with the mathematical understandings and critical-thinking skills identified for entry into the majority of trades at post-secondary and for direct entry into the work force. Topics include: surface area, volume and capacity measurement, trigonometry, 3D objects, numerical puzzles, finance, algebra (formulas, slope and unit analysis) and graphs of data.

FOUNDATIONS OF

MATHEMATICS 11 (FOM 11)

Entry into this course requires a recommendation from the student's FMP10 teacher.

This course builds on the skills acquired in Foundations and FMP10 and is designed for students going on to secondary programs where an academic math, but not Calculus, is required. Each student must check the requirements of their preferred post-secondary program to ensure that Foundations of Mathematics 11 is the appropriate choice. Topics include: measurement (rates and scales), geometric reasoning (angles and triangles), non-right triangle trigonometry, logical reasoning, spatial puzzles, statistics (normal distribution, interpretation of statistical data), 2-variable linear inequalities, quadratic functions, and history of mathematics.

PRE-CALCULUS 11 (PC-11)

Entry into this course requires a recommendation from the student's FMP10 teacher.

This course builds on the skills acquired in Foundations and Pre-Calculus 10 and is particularly designed for those students going into post-secondary programs where Calculus is required. Topics include: expressions and equations (absolute value, radical, rational), trigonometry (angles in standard position, non-right triangles), absolute value functions, reciprocal functions, quadratic functions and equations, systems of equations and inequalities (including quadratic), and arithmetic and geometric sequences.

PRE-CALCULUS 11 HONOURS (PC-11H)

Entry into this course requires a recommendation from the student's FMP10 teacher and a strong performance on the Gauss Mathematics Contest.

Pre-Calculus 11 Honours has the same core content as Pre-Calculus 11, however extra time will be used for enrichment, to develop better problem solving skills and prepare students for advanced mathematical concepts. All students will be required to participate in the Fermat Mathematics Contest. This course is also the most appropriate for students that wish to take PC-12 Honours/AP Calculus as part of their grade 12 year.

FOUNDATIONS OF

MATHEMATICS 12 (FOM 12)

Entry into this course requires a recommendation from the student's FOM 11 or PC-11 teacher.

This course is intended for students who will be pursuing post-secondary studies in the Arts or a subject in which Calculus will not be taken as part of the program. This course is not required for graduation but may be required for University admission depending on the faculty and program you choose. This course involves the study of puzzles, compound interest and investment portfolios, set theory, probability, polynomials, exponential, logarithmic and sinusoidal functions.

PRE-CALCULUS 12 (PC-12)

Entry into this course requires a recommendation from the student's PC-11 teacher.

This course is intended for students who will be studying Business, Science, Engineering, or other disciplines in which Calculus is a requirement. This course is not required for graduation but may be required for entry into the faculty or program you will pursue in University. It is also suggested that this course be followed up with one of our Calculus courses in order to properly prepare you for University (Calculus 12 or Advanced Placement Calculus). This course includes the following topics: combinatorics, binomial expansion, composite functions, transformations of graphs, exponential and logarithmic functions, polynomial factoring, radical and rational functions, trigonometry, and equations and identities.

MATHEMATICS

CALCULUS 12

Entry into this course requires a recommendation from the student's PC-12 teacher.

This course is designed to prepare students for University mathematics and those wishing to enter the fields of Business/Commerce, Science, and Engineering. Topics include functions, limits, derivatives, anti-derivatives, and differential equations. Students should have at least a grade of B in Pre-Calculus 12 before attempting this course.

LINEAR PRE-CALCULUS 12 HONOURS & AP CALCULUS (PC-12H/AP)

Entry into this course requires a strong recommendation from the student's PC-11 teacher.

This course combines Pre-Calculus 12 and Advanced Placement (AP) Calculus in a year-long format in order to prepare students for the AP exam in May. This course is designed for highly motivated students who are intending to study mathematics, engineering, commerce, or applied sciences at college or University. This course provides a solid foundation in Calculus and covers

material equivalent to a first semester University Calculus course (e.g. UBC Mathematics 100, SFU Mathematics 154). This gives the student a tremendous advantage during their first semester at University. In this course, students receive a systematic introduction to aspects of Differential and Integral Calculus. Topics studied will include limits, continuity, the derivative and applications of the derivative, the definite integral and applications of the definite integral and the fundamental Theorem of Calculus. Due to the high level of difficulty and the intensive nature of this course, students must have a strong working knowledge of the concepts studied in FMP 10 and PC-11, and must be willing to devote a serious amount of time for study on a daily basis, both in and out of class.

Students who are successful in the AP exam (with a score of 4 or 5) may receive advanced placement with their post-secondary institution and may be able to skip the first semester of Calculus, if they choose.

MODERN LANGUAGES

Bonjour! ¡Hola! Sat Sri Akal!

We are proud to offer courses in three languages: French, Punjabi and Spanish. In our classes, students engage in a variety of activities with the goal to enhance their skills in oral and written comprehension and production of the second language. As well, students learn to appreciate and value cultures through the exploration and study of the languages, their literatures, history and traditions.

Why learn another language?

- to increase your employment opportunities
- to develop your problem solving skills
- to enhance creative thinking
- to appreciate and participate in other cultures
- to improve literacy skills in first language
- to enhance self-esteem and pride
- for University entrance: a second language at the Grade 11 level is the minimum requirement for entrance to many programs at most universities. Many university Bachelor of Arts programs require a second language at the Grade 12 level.

Evaluation for all language courses is based on your development in Oral Comprehension, Written Comprehension, Spoken Interaction, Spoken Production, and Written Production.

Bienvenue dans la classe de français !

FRENCH 9

French 9 continues your path to acquiring a second language. In this course, you will build on your strategies so that you can understand French, express yourself and have meaningful conversations in French. This year, you will also read and share various media. Finally, you will explore your own cultural identity and that of various Francophone communities.

FRENCH 10

In French 10, you will gain more of an appreciation for cultural diversity through the exploration of Francophone culture. You will deepen your ability to understand French and to express yourself and have meaningful conversations. You will continue to read and share various media in both oral and written form. Finally, you will be encouraged to take more risks in order to embrace the new language in a profound way.

FRENCH 11

Being able to speak French opens up many opportunities! This course inspires students to deepen their appreciation and understanding of French. Students will continue to explore and understand the connection between Francophone culture and their own. Students will increase their ability to communicate both in oral and written form. As in previous years, students will read, interpret media, expand their writing and participate in meaningful, varied conversations.

FRENCH 12

Language acquisition is a lifelong process. In this course, students will have the opportunity to continue polishing their second language skills. They will be able to express themselves in oral and written form with more depth and clarity. Students will continue to explore, with greater awareness, Francophone culture and creative works. Finally, students will also examine travel, educational and career opportunities requiring proficiency in French. Students may have the opportunity to write the DELF exam.

MODERN LANGUAGES

PUNJABI COURSES

PUNJABI 9

Did you know that you can take Punjabi in order to meet language requirements for university entrance? If you did not, you should consider studying Punjabi! In Punjabi 9, students will learn the Punjabi alphabet, and by the end of the course, students will be reading the language. This course will have video, music, and cultural projects for an enriching experience. Punjabi 9 is for students who do not know how to read or write Punjabi. Students who do not speak Punjabi can also take this course. Anyone who has taken Punjabi in Khalsa school, Sikh Academy, India, with family or any other method should speak to a counsellor and see one of our Punjabi teachers to determine their appropriate level.

PUNJABI 10

Punjabi 10 offers a review of Punjabi 9 and a continuation of Punjabi grammar. Themes of this course include places, clothing, restaurants, people, history and music. Project topics include a Punjabi Newscast, skits, commentaries, videos, and music! At the end of the course, students will be able to read and write at a reasonable level while continuing to improve their Punjabi speaking.

INTRO PUNJABI 11

This will be an accelerated course covering the topics of Punjabi 9 and 10. It is for students who HAVE NOT taken Punjabi before. This includes Khalsa school, India, Sikh Academy, at home, at Tamanawis etc. Transcripts will be checked to assure students have no previous Punjabi experience.

Students will learn the basic alphabet and vowels and should be able to read and write simple sentences by the end of the course.

PUNJABI 11

Punjabi 11 offers a review of Punjabi 10 and a continuation of Punjabi grammar and culture. Themes of this course include looking at cultural topics like music, history, and sports in more depth. Project topics include Punjabi cooking where you

cook your own sabzi and a feature length Punjabi movie in which you are the star! At the end of the course, students will be able to read and write at a very high level while continuing to improve speaking skills.

PUNJABI 12

In this course, Punjabi will be spoken extensively and the course will be cross curricular. Psychology, Law, and Social Justice will be incorporated in the program. It will be an engaging course to a student in the arts and there will be lots of fun units, for example, the Punjabi Wedding Album.

SPANISH COURSES

INTRO SPANISH 10/11

Picking Spanish up through listening, stories and reading is easy and fun. In this class, you will get comfortable in Spanish. By the end of the year, you will find it easy to read and write stories and to understand Spanish. Most beginning students can easily write 600-800 word stories by the end of the year, and can read independently.

SPANISH 11

Continue acquiring Spanish by watching and reading stories and novels. Everything in class is 100% easy to understand. In Spanish 11, you will find it easy to start speaking and this course will get you into University second-year Spanish classes.

SPANISH 12

Spanish stories, movies and novels help you to become more and more fluent, and ready to visit Spain or Mexico.

SCIENCE

SCIENCE 9

Science 9 is a continuation of the junior Science program. The big ideas to be developed in this course include:

- Biology: Cells are derived from cells.
- Chemistry: The electron arrangement of atoms impacts their chemical nature.
- Physics: Electric current is the flow of electric charge.
- Earth Science: The biosphere, geosphere, hydrosphere, and atmosphere are interconnected.

The big ideas will be taught with an emphasis on developing critical thinking and scientific process skills.

SCIENCE 10

Science 10 is a continuation of the junior Science program. The big ideas to be developed in this course include:

- Biology: Genes are the foundation for the diversity of living things
- Chemistry: Chemical processes require energy change as atoms are rearranged
- Physics: Energy is conserved and its transformation can affect living things and the environment
- Earth Science: The formation of the universe can be explained by the big bang theory

The big ideas will be taught with an emphasis on developing critical thinking and scientific process skills.

LIFE SCIENCES 11 (BIOLOGY 11)

Recommended C or better in Science 10

Life Sciences 11 lays the groundwork for first year biology courses at all major colleges and universities, and is strongly recommended for students pursuing a career in the Sciences or Health Sciences.

Life Sciences 11 is a survey course of living organisms within the five Kingdoms. The course is woven around the central themes of identifying the characteristics and inter-relatedness of living things,

the similarities within organisms (classification and taxonomy), and the processes of how organisms change over time (evolutionary theory). Students will perform laboratory experiments and investigations, including dissections, to examine a wide variety of organisms in order to explore the major themes of this course.

ANATOMY AND PHYSIOLOGY 12 (BIOLOGY 12)

Recommended C+ or better in Life Sciences 11 and Chemistry 11

Anatomy and Physiology 12 serves as a foundation for students continuing onto life sciences studies at the post-secondary level.

Anatomy and Physiology 12 uses the principles learned in Life Sciences 11 with respect to the unity, diversity, and organization of body systems. Students will focus on cellular biochemistry and metabolic processes and physiology of organ systems and their inter-relationships. Students' theoretical understanding of the body's ability to maintain homeostasis will be applied to various lab work, dissections, discussions, and inquiry projects.

CHEMISTRY 11

Recommended C+ or better in Science 10 and Pre-Calculus 10

Chemistry 11 is strongly recommended for students pursuing a career in Engineering, Environmental Sciences, Health Sciences, and General Sciences.

Chemistry 11 is an introductory course that will give students an understanding of the composition, classification, properties and behaviour of matter. Problem solving, critical thinking and experimentation are skills that will be used throughout this course.

The Big Ideas to be developed in this course are:

-
-
-
-
-

SCIENCE

- Atoms & Molecules
- The Mole
- Chemical Reactions
- Solution Chemistry

Daily review, homework completion and strong study skills are required to be successful in Chemistry 11.

CHEMISTRY 11 HONOURS

Recommended B or better in Science 10 and Pre-Calculus 10 as well as a teacher recommendation

Chemistry 11 Honours helps students to be more successful in their first year chemistry courses at all major colleges and universities, and is strongly recommended for students pursuing a career in Engineering, Environmental Sciences, Health Sciences, and General Sciences.

Chemistry 11 Honours lays the foundation for AP Chemistry 12. Covering all the topics in the regular Chemistry 11 course, this honours class will extend upon several units in considerably more depth. An exploration of the structure of matter will include studies in quantum mechanics, intermolecular bonding forces, molecular bonding models, and spectroscopy.

This fast-paced course will require daily review, homework completion and strong study skills.

CHEMISTRY 12

Recommended C+ or better in Chemistry 11 and Pre-Calculus 11.

Chemistry 12 is strongly recommended for students pursuing a career in Engineering, Environmental Sciences, Health Sciences, and General Sciences.

Chemistry 12 is an advanced course that will give students the foundation needed for Chemistry at the post-secondary level. This is a demanding course for those that have succeeded in Chemistry 11 and plan to pursue further studies in this field.

The Big Ideas to be developed in this course are:

- Reaction Kinetics
- Dynamic Equilibrium

- Solubility Equilibrium
- Acids and Bases
- Oxidation and Reduction

Daily review, homework completion and strong study skills are required to be successful in Chemistry 12.

CHEMISTRY 12H/AP CHEMISTRY

Recommended B or better in Chemistry 11 Honours Chemistry 12H/AP is strongly recommended for students pursuing a science or engineering degree as they will find that this course offers excellent preparation for a successful first year experience at a post-secondary institution.

Designed to be the equivalent of first year general chemistry at college or university, AP Chemistry covers a broad range of topics that extend beyond the chemical concepts learned in Chemistry 11 and 12. The course emphasizes a deep understanding of fundamentals, chemical calculations and mathematical derivation of principles, and comprehensive inquiry-based laboratory experience.

Throughout the course students will be expected to express their understandings with clarity and logic. AP Chemistry is taken concurrently with Chemistry 12 Honours. Students can opt to write the AP Chemistry exam set by the AP college-board.

PHYSICS 11

Recommended C+ or better in Science 10 and Foundation of Math and Pre-Calculus 10

Physics 11 is mandatory in a number of careers such as engineering, surveying, or technological programs and is an entrance requirement into any post-secondary Science program.

Physics 11 is an introductory course towards a deeper understanding of the physical world. It is a course that has an emphasis on analytical and critical thinking skills in order to interpret the complexities of physics. From exploring Isaac Newton to Albert Einstein, Physics 11 will help enlighten us to a better understanding of the world and how we as society interact with our surroundings.

The Big Ideas to be developed in this course are:

- One Dimensional Kinematics (motion)

SCIENCE

- One Dimensional Dynamics (forces)
- Momentum Energy
- Electricity

Daily review, homework completion & strong study skills are required to be successful in Physics 11.

PHYSICS 12

Recommended C+ or better in Physics 11 and Pre-Calculus 11

Physics 12 is mandatory in a number of careers such as engineering, surveying, or technological programs and is an entrance requirement into any post-secondary Science program.

Physics 12 is an advanced course towards a more thorough understanding of the physical world, particularly for those who are expecting to continue studying science at a post-secondary institution. It is a course that has a strong emphasis on being able to think analytically and critically in order to interpret the complexities of Physics 12.

The Big Ideas to be developed in this course are:

- Two Dimensional Kinematics
- Two Dimensional Dynamics
- Two Dimensional Momentum and Energy

Optional Topics may include:

- Equilibrium
- Circular Motion and Gravitation
- Electrostatics
- Electromagnetic Forces
- Induction

Daily review, homework completion and strong study skills are required to be successful in Physics 12.

EARTH SCIENCE 11

Recommended C or better in Science 10

Earth Science 11 is a survey course which explores the Earth and Space through theory and experimentation.

Topics to be studied in this course may include:

- Geology (materials, weathering, erosion, volcanos, earthquakes, plate tectonics)
- Oceanography (basins and currents)

- Astronomy (galaxies, stars, solar system, Earth, moon)
- Atmosphere (pressure, wind, weather, climate)
- Geological Time

Course assessment and assignments are based on classroom lessons, discussions, projects, and laboratory based inquiry work.

ENVIRONMENTAL SCIENCE 12

Environmental Science 12 is recommended for students who are passionate about environmental issues and human impacts on the environment or who are interested in pursuing a career in environmental studies, earth sciences, or life sciences.

Environmental Science 12 is a course that explores the interconnectedness of systems and living things. Through research, projects, and analysis of global and local systems we will develop sustainable practices and action plans.

The Big Ideas to be developed in this course are:

- Global Water Systems
- Global Warming & Climate Change
- Land Use and Sustainability
- Global Environmental Changes

SCIENCE FOR CITIZENS 11 (SCIENCE & TECHNOLOGY 11)

This course is intended primarily for students who do not intend to continue studies in Science beyond Grade 11.

Completion of Science for Citizens 11 allows students to complete their graduation plan, however post-secondary options are limited.

This course will cover the four branches of Science (Life Sciences, Chemistry, Physics and Earth Science) and will be composed of topics that are of particular interest to both the teacher and students. There is an emphasis on cooperative learning rather than focusing on content.

As this course is based on the progression of a student's process skills, attendance and participation are the two most important parts of this course.

SOCIAL STUDIES

What is it?

Social Studies is a course that draws on topics from disciplines within the humanities and social sciences – primarily history, geography, political science, and economics – with contributions from other disciplines such as sociology, psychology, and anthropology.

What will I learn?

Through this curriculum, students will have opportunities to explore and better understand their own identity, perspectives, and values as well as develop the competencies that encourage active, informed citizenship. They will develop the ability to think critically, consider different perspectives and ideas with an open mind, and disagree respectfully with those who have different opinions or points of view. They will be empowered to stay informed about public policy and take action on issues important to them.

Why should I take Social Studies courses?

Students can apply the skills and content they learn in Social Studies to a wide range of post-secondary programs or in future careers. The disciplines within Social Studies develop students' abilities to think analytically and solve problems. Students will have opportunities to conduct research and learn how to collect and interpret data. They will learn to communicate their findings through a variety of methods such as written reports, oral presentations, and various visuals. Studying human interactions and the relationship between humans and the environment can lead to a variety of different careers, such as ones in research, marketing, law, and public service.

SOCIAL STUDIES 9

Social Studies 9 is a course in which students will build upon the content, inquiry methods and historical thinking skills learned in Humanities 8 to learn about significant moments between 1750 and 1919. Areas of focus will include:

- Political, social, economic, and technical revolutions;
- The continuing effects of imperialism and colonialism on indigenous peoples in Canada and around the world;
- Global demographic shifts, including patterns of migration and population growth;
- Nationalism and the development of modern nation-states, including Canada;
- Local, regional, and global conflicts;
- Discriminatory policies, attitudes, and historical wrongs;

- Physiographic features of Canada and geological processes.

By the end of the course it is expected that students will be able to explain how:

- Emerging ideas and ideologies profoundly influence societies and events;
- The physical environment influences the nature of political, social, and economic change;
- Disparities in power alter the balance of relationships between individuals and between societies;
- Collective identity is constructed and can change over time;

Evaluation will be based on a variety of activities that reflect the content and skills required of a Social Studies student.

SOCIAL STUDIES

SOCIAL STUDIES 10

Social Studies 10 is a course in which students will build upon the content, inquiry methods and historical thinking skills learned in Social Studies 9 to learn about the birth of the Canadian nation and other significant moments between 1815 and 1914. Areas of focus will include:

- Identity, society and culture in Canada from 1815-1914;
- Governance in Canada from 1815-1914;
- Economy and technology in Canada from 1815-1914;
- Environment in Canada from 1815-1914.

Evaluation will be based on a variety of activities that reflect the content and skills required of a Social Studies student.

SOCIAL STUDIES 11

Social Studies 11 is a course in which students will build upon the content, inquiry methods and historical thinking skills learned in Social Studies 10. Please *choose one* of the following options:

1. Social Studies 11: Political Studies

Political Studies builds upon the politics unit from Social Studies 10. Students will learn about where governments get their power. Major topics of study include political ideologies around the world, the nature of Canada's democracy, and what leads to power shifts.

2. Social Studies 11: Twentieth Century World History

Twentieth Century World History builds upon the history unit from Social Studies 10. Students will learn more about how events of the 20th century can help us respond to 21st century problems. Major topics of study include 20th century dictatorships (Hitler, Stalin, Mao, Castro, etc.), global conflicts from a global perspective (WWII, the Cold War, etc.), revolutions (Russia, China, Cuba, Iran, etc.), and human rights issues around the world (United States, South Africa).

3. Social Studies 11: Human Geography

Human Geography builds upon the geography unit from Social Studies 10. Students will learn about how human activity affects the earth and the environment. Major topics of study include the implications of population growth, causes of poverty and the impact of industrial and

technological development on the environment and the associated global responses.

20TH CENTURY WORLD HISTORY 12

20th Century World History is a course in which students will build upon the content, inquiry methods and historical thinking skills learned in Social Studies 9-11 to learn about the significant moments between 1919 and Present Day from an international affairs perspective. This is a perfect class for any student wishing to study in the Faculty of Arts at post-secondary as it will help students identify global trends.

Topics include: the Paris Peace Conference, growth of totalitarian regimes, World War Two, the Cold War, fall of the Soviet Union, technological change, post-war nationalism and human rights.

ECONOMICS 12

Economics 12 is a course in which students learn about the nature of money. Why do we have money? How do economic systems affect your life and the lives of others? Major topics of study include the evolution of economics, entrepreneurship, the Canadian market economy, the business cycle, budgeting and globalization.

GENOCIDE STUDIES 12

Genocide Studies 12 is a course in which students learn about various cultural and physical genocides around the world to determine how genocide can be prevented in the future. Major topics include the causes of genocide, responses to genocide, resistance to genocide and methods of remembering. This is a perfect class for any student interested in a cross-curricular look at history as we bring in ideas from psychology, sociology, political science, economics, literature, film etc. to help understand genocide.

SOCIAL STUDIES

LAW STUDIES 12

Law Studies 12 is a course in which students explore the basics of the Canadian legal system (criminal & family law). Major topics include the historical basis for Canadian law and an evaluation of the current structure of the Canadian legal system. Students develop their critical thinking skills through discussion, group projects, individual assignments and experiences. This is a great course for any students thinking of pursuing a career in the legal system or law enforcement.

PHILOSOPHY 12

Philosophy 12 is a course in which students explore the concepts of knowledge, reality, existence, freedom and morality. Major topics include explorations of the following questions. What is real? Does God exist? What is right and wrong? How do we know something is true?

PSYCHOLOGY 11

This course examines human behaviour from the sociological perspective. It examines the interactive nature of the family, self and society. Topics include the history of psychology, the research process, culture, group behaviour, social stratification, relationships, education and religion, collective

behaviour, social movements, poverty and crime.

PSYCHOLOGY 12

Psychology is the scientific study of human behaviour and its causes. In this course, students will explore a range of topics including the role of the brain and neurochemical processes in shaping behaviour, stress and health psychology, psychological disorders, learning, motivation and emotion. Students will gain experience in designing and applying psychological research methods, develop critical thinking and research skills, and engage in independent inquiry on topics of personal interest.

SOCIAL JUSTICE 12

Social Justice 12 is a course which teaches students about inequality and social progress. This course teaches students about the reality of social diversity in Canada and abroad. Because modern business and government work requires an understanding of diversity, this course is excellent preparation for anyone interested in medicine, law, teaching, politics and business. It is also now possible to study social justice in post-secondary, at the University of Victoria and Capilano College.

Applied Skills – BUSINESS EDUCATION

DESKTOP PUBLISHING 9

We are constantly bombarded with visual images. Posters, lyric videos on Youtube, billboards, advertisements, and websites are part of our everyday lives. Have you ever noticed the creative elements or wondered what computer programs produce these pieces? In this course you will utilize a variety of programs (Photoshop, MS Publisher, Illustrator) to manipulate and enhance images as well as craft stunning documents, websites and presentations both for school and business related purposes. Using the computer you will learn how to tap into the creative part of your brain that maybe you never knew existed!

COMPUTERS 9

Do you like playing games? Do you enjoy watching short animated movies on Youtube? Do you find Photoshopped images interesting? Do you have a website you like to visit? Wouldn't it be cool to be making your own? In Computers 9 you will learn how to make games, short animated movies, some programming and more! Using programs and technology like Photoshop, Flash, Dreamweaver, 3D studio max or Blender, sploder, Construct2, and Arduino you will learn to make some really cool digital media projects. Take Computers 9 and go from being a consumer of digital content to being a producer!

ANIMATION 10

Animation can be found everywhere, from blockbuster movies to the hottest video games. In this class the only limitation is your imagination! Media artists and animators combine creative talent with computer technology to produce eye-grabbing graphics used in almost every industry today. In Animation 10 you will be introduced to a variety of animation techniques and technology such as Adobe Flash, Adobe After Effects and 3D software such as Blender, 3D Studio Max or Maya. Create your own animated characters and short films in this hands-on, engaging class.

VIDEO AND FILM 10

The film industry is huge in Metro Vancouver, with many popular TV series and movies being filmed right here. Video and Film is a hands-on production class offered at the grades 10,11 and 12 level that gives you the opportunity to go from concept to the big screen. You will learn how to record great-looking video for projects like music videos and short films, as well as learn script-writing and video editing techniques to make your ideas come alive. Whether you want to pursue a career in film, become the next YouTube star or just learn to make better home videos, this course will help you pursue your goals.

COMPUTERS 10

Do you like playing games? Do you enjoy watching short animated movies on Youtube? Do you find Photoshopped images interesting? Do you have a website you like to visit? Wouldn't it be cool to be making your own? In Computers 10 you will increase your game making skills, make better short animated movies, learn more programming and more! Using programs and technology like Photoshop, Flash, Dreamweaver, 3D studio max or Blender, sploder, Construct2, and Arduino you will learn to make some awesome digital media projects. Take Computers 10 and go from being a consumer of digital content to being a producer!

DESKTOP PUBLISHING 10

We are constantly bombarded with visual images. Posters, lyric videos on Youtube, billboards, advertisements, and websites are part of our everyday lives. Have you ever noticed the creative elements or wondered what computer programs produce these pieces? In this course you will utilize a variety of programs (Photoshop, MS Publisher, Illustrator) to manipulate and enhance images as well as craft stunning documents, websites and presentations both for school and business related purposes. Using the computer you will learn how to tap into the creative part of your brain that maybe you never knew existed!

Applied Skills – BUSINESS EDUCATION

YEARBOOK 10

Why take yearbook? In this course students will gain skills in: photography, photoshop, advance graphic design, publishing, copy writing and editing while producing a creative, innovative yearbook which records school memories and events. While producing real product that everyone will keep for years to come, students will gain useful, real world skills in time management, marketing, teamwork, and principles of design.

BUSINESS EDUCATION 10

(Entrepreneurship and Marketing)

Are you thinking of a career in business, marketing, finance or management? Or do you see yourself inventing a new product or idea? This course will introduce you to several different avenues of business. You will learn how the most forward thinking companies are managing their employees. You will study the financial “language of business”. The marketing strategies of the most successful products will also be analyzed. You will create a product of your own and learn how to work with a team to develop your idea. Overall, the focus will be to learn effective communication, collaboration and technology skills to enhance your creative thinking abilities. Employers want people who can think outside the box to solve problems, who can work as a team, and who can communicate their ideas well. This course will help you develop these skills enabling success in high school, post-secondary and in the business work force.

ACCOUNTING 11

Do you want to know how to organize your personal finances? Are you planning to start your own company one day? Do you see yourself managing a business in the future? Perhaps you are thinking of a career in Marketing, Economics, Investing, or Banking? In order to do any of this, you have to learn Accounting which is the “language of business”. Accounting 11 will help prepare you for the finance courses that are mandatory for any post-secondary business diploma or degree. Many students have great difficulty with Accounting in college/university due to the speed of the course. However, by taking Accounting 11, you will be well prepared for future accounting courses.

ACCOUNTING 12

Accounting 12 expands on the fundamentals of Accounting 11. If you are planning to start your own company one day or you see yourself managing a business in the future this course is for you. Accounting 12 will give you a good head start if you are going to take Business, Commerce or Finance courses in college/university. Many students have great difficulty with Accounting in college/university due to the speed of the course. However, by taking Accounting 12, you will be very well prepared for future accounting courses.

DESKTOP PUBLISHING 11/12

We are constantly bombarded with visual images. Posters, lyric videos on Youtube, billboards, advertisements, and websites are part of our everyday lives. Have you ever noticed the creative elements or wondered what computer programs produce these pieces? In this course you will utilize a variety of programs (Photoshop, MS Publisher, Illustrator) to manipulate and enhance images as well as craft stunning documents, websites and presentations both for school and business related purposes. Using the computer you will learn how to tap into the creative part of your brain that maybe you never knew existed!

BIM/BCA - Business Computer Applications 11 & Business Information Management 12

These courses give the university and work bound students the skills necessary for success in senior courses as well as life after high school. You will learn how to:

- Make stunning resumes and cover letters for your GTP and job applications;
- Create visually arresting presentations;
- Use valuable formatting techniques to design documents that will give you the professional edge;
- Develop spreadsheets for business and personal reasons such as budgeting and financial planning;
- Save time and work faster by improving your typing technique, speed and accuracy.

These courses have a step-by-step format that will guide you to mastery.

Applied Skills – BUSINESS EDUCATION

INFORMATION AND COMPUTER TECHNOLOGY 11/12

Do you want to make a smartphone app? A video game? Create characters in 3D? Design your own website? ICT 11 and 12 will introduce you to these cutting edge topics and more, providing an excellent starting point for a career in computer programming, design, graphics or game development. Whether you are pursuing a career in computer technology or simply just interested in designing and playing video games, ICT 11 and 12 offers fun, engaging project-based learning using computers.

ANIMATION 11/12

Animation can be found everywhere, from blockbuster movies to the hottest video games. In this class the only limitation is your imagination! Media artists and animators combine creative talent with computer technology to produce eye-grabbing graphics used in almost every industry today. In Animation 11 and 12 you will be introduced to more advanced animation techniques using technology such as Adobe Flash, Adobe After Effects and 3D software such as Blender, 3D Studio Max or Maya. Create your own animated characters and short films in this hands-on, engaging class.

VIDEO AND FILM 11/12

The film industry is huge in Metro Vancouver, with many popular TV series and movies being filmed right here. Video and Film is a hands-on production class offered at the grades 10,11 and 12 level that gives you the opportunity to go from concept to the big screen. You will learn how to record great-looking video for projects like music videos and short films, as well as learn script-writing and video editing techniques to make your ideas come alive. Whether you want to pursue a career in film, become the next YouTube star or just learn to make better home videos this course will help you pursue your goals.

YEARBOOK 11/12

This is a year-long course that introduces students all phases of yearbook production. Students will learn the skills of Journalism, Graphic Design, Photography, Marketing, Advertising and Sales. Along the way, students will learn or improve on Adobe Photoshop and the art of digital photography. Classroom activities and expectations are closely related to the real world of interviewing, reporting, meeting deadlines and producing a widely viewed publication.

Registration for this course is through an application process. Please see your counselor for further information.

MARKETING 11/12

This course introduces the fundamental concepts and principles of marketing by focusing on local and global changes in the economy and global marketplace. While focusing on current trends, issues and implications of technology, students will gain understanding of their own influence on various consumer patterns and marketing strategies. By running a "Company Program," students will engage in real world experience of running a business by conducting a marketing research, develop a marketing plan and conduct advertisement campaign for a specific product.

Applied Skills–HOME ECONOMICS

FOODS 9

Foods 9 is a performance-based course that teaches students the basics of cooking terms, techniques, equipment use, methods and preparation of ingredients that can be used to follow recipes. Grades are largely based upon lab performance and theory is emphasized to enhance the lab experience and to examine the nutrition of the ingredients. Units include muffins, breads, pastry, cakes, soups, breakfasts, lunches and dinners. Recipes are drawn from a wide variety of cultures and cooking techniques. Foods 9 is a beginning course that contributes to later, more complex courses at the senior level. There is no fee for this course.

TEXTILES 9

Textiles 9 is a skills-based course that teaches students the basics of sewing including hand-sewing, garment construction, fabric care, notions, machine techniques, reading patterns and fabric embellishments. Students sew a variety of projects that develop a variety of techniques and skills. Projects reflect a beginning level and provide the basis for more complicated skill and project development at the senior levels. There is no fee but students must supply their own fabric, notions and patterns.

FOODS 10

Foods 10 is a performance-based course that teaches students the basics of cooking terms, techniques, equipment use, methods and preparation of ingredients that can be used to follow recipes. Grades are largely based upon lab performance and theory is emphasized to enhance the lab experience and to examine the nutrition of the ingredients. Units include muffins, breads, pastry, cakes, soups, breakfasts, lunches and dinners. Recipes are drawn from a wide variety of cultures and cooking techniques. Foods 10 is an intermediate course that contributes to later, more complex courses at the senior level. There is no fee for this course.

TEXTILES 9

Textiles 9 is a skills-based course that teaches students the basics of sewing including hand-sewing, garment construction, fabric care, notions, machine techniques, reading patterns and fabric embellishments. Students sew a variety of projects that develop a variety of techniques and skills. Projects reflect a beginning level and provide the basis for more complicated skill and project development at the senior levels. There is no fee but students must supply their own fabric, notions and patterns.

TEXTILES 10

Textiles 10 is a skills-based course that teaches students the basics of sewing including hand-sewing, garment construction, fabric care, notions, machine techniques, reading patterns and fabric embellishments. Students sew a variety of projects that build upon their techniques and skills on garment construction and hand-sewing. Projects reflect an intermediate level and provide the basis for more complicated skill and project development at the senior levels. There is no fee but students must supply their own fabric, notions and patterns.

TEXTILES 11

This course continues upon the development of skills within construction, design and fabric selection and care. It is a project-based course that increases in skill level, difficulty and quality of workmanship and builds upon experiences at the junior levels. Students are required to produce several projects for assessment. There is no fee for this course however, fabric, notions and patterns are purchased by students for each project.

TEXTILES 12

This course continues upon the development of skills within construction, design and fabric selection and care. It is a project-based course that increases in skill level, difficulty and quality of workmanship and builds upon experiences at the junior levels. Students are required to produce several projects for assessment. There is no fee for this course however, fabric, notions and patterns are purchased by students for each project. The emphasis in Textiles 12 is upon acquisition and advancement of skills and knowledge based upon the individual's previous experiences.

Applied Skills–PHYSICAL EDUCATION

PHYSICAL AND HEALTH EDUCATION 9

Physical and Health Education 9 (PHE9) aims to empower students to develop a personalized understanding of what healthy living means to them as individuals and members of society in the 21st century. The PHE curriculum focuses on well-being — the connections between physical, intellectual, mental, and social health. The following four areas are the focus of PHE.

- 1. Physical Literacy:** Students will acquire the knowledge, skills, and mindsets that will enable them to successfully participate in a wide range of physical activities.
- 2. Healthy and Active Living:** Students will develop a healthy lifestyle, both in and out of school. Aspects of a healthy lifestyle include, healthy eating, daily physical activity and choices that have a positive influence on health and well-being.
- 3. Social and Community Health:** A student's overall health and safety is directly influenced by our physical environment and our interpersonal relationships with others. Students will develop an understanding of how the health of others and the community can influence them as individuals.
- 4. Mental well-being:** Students will explore factors that influence our mental well-being, including our sense of self, our relationship with others, and how we cope with the many changes we experience throughout life. Students will learn strategies to promote mental well-being for themselves and others.

The PHE 9 curriculum aims to develop students who have the knowledge and confidence to promote their own health and well-being by maintaining healthy habits. The goal is for students to recognize and change unhealthy behaviors and, at the same time, advocate for the safety, health, and well-being

of others. Students can apply the knowledge, processes, and skills learned to their daily lives while engaging in an exploration of what healthy living means and looks like for them. The PHE9 builds on the knowledge, skill, and understanding of the grade 8 PHE program.

PHYSICAL AND HEALTH EDUCATION 10

Physical and Health Education 10 (PHE10) is a continuation of the 8 and 9 program. It builds on the knowledge and understanding gained from the previous years of PHE. The PHE 10 curriculum focuses on well-being — the connections between physical, intellectual, mental, and social health. The following four areas are the focus of PHE 10.

- 1. Physical Literacy:** Students will acquire the knowledge, skills, and mindsets that will enable them to successfully participate in a wide range of physical activities.
- 2. Healthy and Active Living:** Students will develop a healthy lifestyle, both in and out of school. Aspects of a healthy lifestyle include, healthy eating, daily physical activity and choices that have a positive influence on health and well-being.
- 3. Social and Community Health:** A student's overall health and safety is directly influenced by our physical environment and our interpersonal relationships with others. Students will develop an understanding of how the health of others and the community can influence them as individuals.

Applied Skills–PHYSICAL EDUCATION

- 4. Mental well-being:** Students will explore factors that influence our mental well-being, including our sense of self, our relationship with others, and how we cope with the many changes we experience throughout life. Students will learn strategies to promote mental well-being for themselves and others

The PHE 10 curriculum aims to develop students who have the knowledge and confidence to promote their own health and well-being by maintaining healthy habits. The goal is for students to recognize and change unhealthy behaviors and, at the same time, advocate for the safety, health, and well-being

of others. Students can apply the knowledge, processes, and skills learned to their daily lives while engaging in an exploration of what healthy living means and looks like for them. The PHE10 builds on the knowledge, skill, and understanding of the grade 8/9 PHE program.

LEADERSHIP 10

In addition to meeting the goals of PE 10, the Leadership 10 class will develop leadership skills with criteria specified through class activities and projects.

This class will also provide students with opportunities to apply a variety of leadership skills and to develop interpersonal and communication skills. Students will also complete Planning 10 within this course as it runs all year, every day.

ACTIVE FOR LIFE 11/12 (Girls)

This class is designed to provide girls with the opportunity to experience a variety of activities that are geared towards a healthy, active lifestyle. Personal goal-setting, nutrition, and learning how to become fit are also primary objectives. Planned activities include Pilates, yoga, body ball, core conditioning, strength training, walk/jog and power-walking, aerobics, step training, circuit training, spinning, outdoor pursuits, and water aerobics.

PHYSICAL EDUCATION 11/12 (Girls)

This class is designed to provide girls with the opportunity to participate in a wide variety of both individual and team sports. Emphasis is on Sport as well as Recreational activities that contribute to physical fitness, health and overall well-being. Individuals taking this program will understand the importance of physical fitness training and the body's nutritional needs for a health active life. Planned activities will include all major school sports (Soccer, Basketball, Volleyball) as well as community based activities (Curling, Swimming, Skating, Tennis). This program is essentially the same as 11/12 coed PE except it is for Girls only.

PHYSICAL EDUCATION 11 & 12 (Co-ed)

Through participation in a variety of activities, students will develop a positive attitude towards active living, demonstrate a functional level of activity-specific motor skills and develop career and occupational opportunities related to physical activities. Students will be introduced to available community recreational facilities and services.

Emphasis will be placed on the development of leadership skills through community service.

This course fulfills the following objectives:

1. To participate and develop skills in a variety of athletic and recreational activities.
2. To value physical activity as a necessary part of an active, healthy lifestyle.
3. To be aware of community resources available for physical and recreational activities.
4. To demonstrate responsibility by fulfilling leadership requirements.

POWER FIT 11

Are you looking for power, improved sports performance, a more muscular physique? Want to get leaner, faster, and more sculptured? **Power-Fit 11**

Applied Skills–PHYSICAL EDUCATION

may be just the course for you. Learn how to train to get the physique you want, how to eat for performance, and how to rip it up indoors and out. Challenge yourself with high-intensity interval training and strength development. Our three-day rotation includes a weight room day, a day of outdoor training, and a day in the classroom learning about anatomy, training technique and nutrition. This hard-core course gives results. Get fitter faster with **Power-Fit!**

SUPERFIT 11 and SUPERFIT 12 (PE 12)

This course is designed for the elite athlete, athletes who would like to gain extra fitness for their sport (i.e. hockey, basketball, soccer), triathletes and for those who would simply like to learn about fitness and training. There are two main areas of focus for

this course: Fitness and Recreation/Lifestyle activities. The Fitness component is comprised of many practical conditioning sessions which incorporate the heart-rate monitor, aerobic and anaerobic training, muscular strength and endurance, and circuit training (includes core body strength, balance, agility, reaction time and speed). There is a major emphasis on cross training as well. Students will also study anatomy, athletic injuries and nutrition. The Recreation/Lifestyle component includes: kayaking, hiking, mountain biking, snowshoeing, skiing, tennis, golf and climbing. Individuals must have a minimum of a B average in PE 10 or PE11 and permission from the instructor, to take this course.

Evaluation will be based on participation, fitness, training journal/program and exams.

Applied Skills–TECHNOLOGY EDUCATION

TECHNOLOGY EDUCATION

The technology education department is focused towards the development of students abilities to design, develop and fabricate products through hands on learning. Through research, ideation, prototyping, testing and sharing students will gain a greater understanding for how to produce a product. In each course students will learn a different set of technologies, tools and skills but will always fall under the umbrella of the design thinking process.

TECHNOLOGY EDUCATION 9

DRAFTING 9

Do you enjoy creating your own inventions. Do you have a creative mind. In drafting you wont just learn how to model your creations but you can make them a reality through 3D printing, CNC mills and vinyl plotters. You will also learn orthographic projection, scale drawings and architectural renderings.

Evaluation: is based on Labs and Projects

METALWORK 9

Metal Work 9 will incorporate a number of key metal working concepts, procedures and practices. While focusing on production metal working, design and construction, students will be working with hand, power, and machine tools used in metal fabrication. Students will be required to solve problems and design personal project ideas.

Evaluation: is based on quizzes, designs and project work.

WOODWORKING 9

This course is designed as a hands-on introduction to woodworking. In this course you get the opportunity to learn how to develop and create your own woodworking projects. You will learn to apply basic skills involving woodworking tools, portable power tools, and power machinery. Students will be required to solve design problems, interpret plans, calculate cost, and fabricate projects using wood and wood composites as the primary construction medium.

Evaluation: is based on project work, quality of design, tests, quizzes and daily logs.

ROBOTICS 9

Do you have an interest in robotics? In robotics you will use programmable micro controllers such as

arduino and raspberry pi to program lights, motors and relays using switches, radio frequency, wireless internet and Bluetooth. You will have the opportunity to design and fabricate several projects including a small robot that will build on your understanding of coding as well as 3D modeling and 3D printing.

Evaluation: is based on theory assignments, labs, projects, and daily logs.

POWER MECHANICS 9

This course provides a basic knowledge of transmission of power and energy as applied to common mechanical devices. Types of fuels and the methods of converting fuels to mechanical energy. Alternative energy sources. Two- and four-cycle engines are used to demonstrate operation and maintenance concepts. Students will also be involved in transportation problem solving activities and projects associated with a variety of energy and power studies.

Evaluation: is based on labs, quizzes and projects.

Applied Skills–TECHNOLOGY EDUCATION

TECHNOLOGY EDUCATION 10

DRAFTING 10

Are you fascinated by automated fabrication? Would you like to design your own products? Are you interested in architecture? This course is designed to help build your knowledge of drafting through orthographic projection, scale drawings and models. In this course we will touch on both mechanical and architectural drafting. You will have the opportunity to use 3D printers and CNC machines to solve mechanical problems and make 3D models and blueprints of your own building designs.

Evaluation is based on design challenge projects and labs.

METALWORK 10

This course will incorporate a number of key metal working practices and procedures. This course focuses on the design and construction of larger self-designed projects. Students will use more advanced fabrication techniques such as arc, mig and tig welding as well as mills and metal lathes. You will also have the opportunity to make your own casting project which could be a piece of jewelry prototyped with wax or 3d printed and cast with bronze, silver or gold.

Evaluation is based on students' completion of a larger (more complex) final project of their design.

WOODWORKING 10

This course is an introductory hands-on course in which the students learn and apply basic skills involving woodworking tools, portable power tools, and machines. Students will be required to solve design problems, create and interpret plans, calculate cost, and fabricate projects using wood and wood composites as the primary construction medium. Students will design and build projects using skills acquired.

Evaluation: is based on project work, quality of design, tests, quizzes and daily logs.

ROBOTICS 10

Would you like to gain a greater understanding of how robots and Rov's work? Would you like to learn to control Radio Frequency and Bluetooth? The robotics course has been designed to give you an understanding of programming micro controllers

such as raspberry pi and arduino. In this class you will develop several arduino projects including your very own robot using arduino and drive it with PS2 controllers and Bluetooth.

Evaluation: is based on theory assignments, labs, projects, and daily logs.

POWER MECHANICS 10

This course provides a basic knowledge of transmission of power and energy as applied to common mechanical devices. Two and four-cycle engines are used to demonstrate operation and maintenance concepts. Students will also be involved in transportation problem solving activities and projects associated with a variety of energy and power studies. The effects of energy and power choice will be examined to allow students to see the impact on society, natural resources and environment.

Evaluation is based on labs, quizzes and projects

TECHNOLOGY EDUCATION 11

DRAFTING 11

Whether you are a beginner or you have taken drafting before, drafting 11 is a exciting and engaging course focused towards problem solving design issues through mechanical and architectural drafting. Based on your skill level labs and assignments will be chosen that expand and advance your skills. Students will have the opportunity to use 3D printers, CNC machines and plotters to prototype their design solutions.

Evaluation will be based on Assignments and labs.

METALWORKING 11

The main objective of this course is to offer a combination of knowledge and "hands on" skills that will prove valuable over a lifetime as well as opening doors to a variety of career options.

METALWORKING 11 (cont'd)

The areas of focus will include a blending of safety, theory, tools and equipment, and materials and processes used in the fabrication of metal related products. Students will apply the acquired skills in the design and construction of student selected

Applied Skills–TECHNOLOGY EDUCATION

projects. Specific course objectives may include oxy-acetylene welding/cutting/brazing, electric arc welding (stick), MIG and aluminum welding (wire feed) and plasma torch (cutting). Lathe and milling machine practices, sheet metal, casting and forging will also be included.

Evaluation will be based on quizzes, assignments, and projects

WOODWORKING 11

This course is an intermediate hands on course in which the students apply previously learned woodworking skills and learn and apply new skills. Woodworking hand tools, portable power tools, and machines are used to build student designed or teacher selected projects. Students will be expected to solve design problems and construction their solutions, calculate material amounts and costs, and fabricate projects using wood and wood composites. The major focus of this course is the construction of cabinets and furniture.

Evaluation: is based on project work, quality of design, tests, quizzes and daily logs.

ROBOTICS 11

This course is designed as an extension to Robotics 9 and 10. There will be a more advanced look at the possibilities of micro controllers including a deeper look at raspberry pi and the ability to control it remotely. We will also look at Arduino and how the programmable board works by creating our own standalone circuit. There will also be a deeper look into radio frequency and the construction of larger robots.

Evaluation: is based on theory assignments, labs, projects, and daily logs.

TECHNOLOGY EDUCATION 12

DRAFTING 12

If you are thinking about a career in the architectural or engineering field, this is the class for you. This course will go into a deeper

understanding of architecture, including a look at the BC Building Codes. You will create a set of blueprints for a 1500 square foot dream home with a garage, site plan, window and door schedules, electrical as well as foundation plans. There will also be a deeper look at mechanical drafting including detailed assemblies and layouts.

Evaluation: will be based on Assignments and labs.

METALWORKING 12

This course takes a more advanced look at metalworking machining, casting and welding. Parts of the course will be focused on metal art and jewelry fabrication. Students will prototype and cast a detailed ring from wax of 3D modeled on a computer and 3D printed. Those prototypes will then be cast from Brass, Silver or Gold. Students will also learn how to sand cast larger molds out of aluminum. There will also be welding projects that will allow you to gain experience using arc, mig, oxyacetylene and tig welders. There will also be a deeper look into milling and machining on the lathe.

Evaluation will be based on quizzes, assignments, and projects

WOODWORKING 12

This course is an advanced hands on course in which students apply previously learned woodworking skills and learn and apply new skills. Students are expected to choose major cabinet or furniture projects and to work with minimal supervision. Students enrolling in this course should be self-motivated and be prepared to choose a major project.

Evaluation: is based on quizzes, test, projects, and daily logs

ROBOTICS 12

This course is an advanced look at programming with micro controllers. Dependent on your experience, labs and projects will be chosen to expand your knowledge. If you are a repeating student you should be self-motivated and prepared to do self-directed studies and projects based on your interest.

Evaluation: is based on theory assignments, labs, projects, and daily logs.

FINE ARTS–Dance

DANCE 9

In this introductory to intermediate class you will learn and perform a variety of dance styles. You will use elements of movement to learn dance technique, combinations and choreography. This course will build self-confidence and develop teamwork and presentation skills. You will be expected to work in small groups to collaborate, communicate ideas and perspectives through dance. The types of dance that may be covered in this course include hip hop, ballet, jazz, multi-cultural, and break dance. Dancers will be expected to perform in one performance outside of class time. Dancers will receive the training required for Dance Company 10, 11 and 12. Evaluation is based on progress, attitude and participation.

DANCE COMPANY 9

In this advanced class you will learn and perform a variety of dance styles. You will use elements of movement to learn dance technique, combinations and choreography. This course will build self-confidence and develop teamwork and presentation skills. You will be expected to create your own choreography in order to communicate ideas and perspectives of culture and personal identity. The types of dance that may be covered in this course include hip hop, ballet, jazz, multi-cultural, and break dance. Dancers will be expected to perform in one performance outside of class time. Evaluation is based on progress, attitude and participation. It is highly recommended that students have prior dance courses or experience.

DANCE COMPANY 10

In this advanced class you will learn and perform a variety of dance styles. You will use elements of movement to learn dance technique, combinations and choreography. This course will develop innovative thinking and will nurture creativity and collaboration. You will be expected to create your own choreography in order to communicate ideas

and perspectives of culture and personal identity. The types of dance that may be covered in this course include hip hop, ballet, jazz, multi-cultural, and break dance. Dancers will be expected to perform in one performance outside of class time. Evaluation is based on progress, attitude and participation. It is highly recommended that students have prior dance courses or experience.

DANCE COMPANY 12

In this advanced class you will learn and perform a variety of dance styles. You will use elements of movement to learn dance technique, combinations and choreography. This course will develop innovative thinking and will nurture creativity and collaboration. You will be expected to create your own choreography in order to communicate ideas and perspectives of culture and personal identity. The types of dance that may be covered in this course include hip hop, ballet, jazz, multi-cultural, and break dance. Dancers will be expected to perform in one performance outside of class time. Evaluation is based on progress, attitude and participation. It is highly recommended that students have prior dance courses or experience.

DANCE COMPANY 11

In this advanced class you will learn and perform a variety of dance styles. You will use elements of movement to learn dance technique, combinations and choreography. This course will develop innovative thinking and will nurture creativity and collaboration. You will be expected to create your own choreography in order to communicate ideas and perspectives of culture and personal identity. The types of dance that may be covered in this course include hip hop, ballet, jazz, multi-cultural, and break dance. Dancers will be expected to perform in one performance outside of class time. Evaluation is based on progress, attitude and participation. It is highly recommended that students have prior dance courses or experience.

FINE ARTS–Drama/Music/Visual Arts

DRAMA 9

Drama 9 is a course for beginner level drama students with no prior acting experience. Drama 9 is a process based course that follows the lesson design structures focusing on the warmup/ rehearsal/ performance flow structure. All assignments will be using the creative process model. Students will learn many drama skills, forms and styles. Units of study may include, but are not limited to: scene building, character development, improve theatre and theatre sports, play analysis, movement, vocal projection, dialect development, radio plays, monologues, and scripted scene study. At the end of each unit, we present our work to outside classes in order to develop our performance skills. Students will develop their acting vocabulary and learn proper stage directions. The students will learn proper etiquette and behavior that is appropriate in a drama/theatre environment, as both performers and spectators. Basic skills for everyday life, such as public speaking and social responsibility, are also reinforced in this course.

There are no prerequisites courses to Drama 9.

DRAMA 10

Drama 10 is a course for intermediate level drama students. Drama 10 is a process based course that follows the lesson design structures focusing on the warmup/ rehearsal/ performance flow structure. All assignments will be using the creative process model. Students will learn many drama skills, forms and styles. Units of study may include, but are not limited to: scene building, character development, improve theatre and theatre sports, play analysis,

movement, vocal projection, dialect development, radio plays, monologues, and scripted scene study. At the end of each unit, we present our work to outside classes in order to develop our performance skills. Students will develop their acting vocabulary and learn proper stage directions. The students will learn proper etiquette and behavior that is appropriate in a drama/theatre environment, as both performers and spectators. Basic skills for everyday life, such as public speaking and social responsibility, are also reinforced in this course.

There are no prerequisites courses to Drama 9.

THEATRE PERFORMANCE 11

Theatre Performance 11 is a process based acting class designed for students who are interested in delving deeper into the material explored in Drama 10, or who have future aspirations in a performing based discipline for their future. TP11 follows the lesson design structures of prior classes in the Drama umbrella, focusing on the warmup/ rehearsal/performance flow structure. Students in this class will be tasked with creating performances to be shown to other classes, groups of parents, the Tamanawis community at large, and even public performances to other schools and audiences. The course will focus on play and character creation, play interpretation, video projects, improv performances, movement based Drama, and connections to the larger community. We will be attending at least one field trip during the semester to take in a play or musical.

There are no prerequisites to Theatre Performance 11.

FINE ARTS–Drama/Music/Visual Arts

THEATRE PERFORMANCE 12

Theatre Performance 12 is a process based acting class designed for students who are interested in delving deeper into the material explored in Drama 10 TP 11, or who have future aspirations in a performing based discipline for their future. TP12 follows the lesson design structures of prior classes in the Drama umbrella, focusing on the warmup/rehearsal/performance flow structure. Students in this class will be tasked with creating performances to be shown to other classes, groups of parents, the Tamanawis community at large, and even public performances to other schools and audiences. The course will focus on play and character creation, play interpretation, video projects, improv performances, movement based Drama, and connections to the larger community. We will be attending at least one field trip during the semester to take in a play or musical.

There are no prerequisites to Theatre Performance 12, however, it is expected that students taking this course are highly proficient presenters, have much experience in public performance, and be excited to be a part of productions outside of the school day.

THEATRE: THEATRE COMPANY 9-12 (X-BLOCK)

This course is a linear course throughout the school year and is intended to give students the opportunity to take part in a large theatrical production. The theatre company produces all types of plays and every aspect of theatre including staging, costumes, make-up, sets, and choreography will be explored. Classes will run after school, with more intensive classes during production times during the spring.

Previous productions include: The Edge Project (Greenthumb Theatre), Vancouver Biennale Big Ideas Project, The 25th Annual Putnam County Spelling Bee, The Complete Works of WLLM SHAKESPEARE (Abridged).

Note: This course runs after school and students must take it as a 9th course. Students should have a background in performance in deciding to take this class, but it is not necessary.

FINE ARTS-Drama/Music/Visual Arts

CONCERT BAND 9

Concert Band 9 is designed to further develop skills and concepts learned in Concert Band 8. Concepts emphasized include theory, technique, tone production, and rhythm. Students will receive instruction on their instrument and will listen to and perform music in a wide variety of styles. Students will perform at Tamanawis Band Concerts, the District Concert Band Revue and on extra-curricular band trips. Students who have successfully completed Concert Band 8 or Beginning Band 8 are eligible to take this course. Students who have not participated in Concert Band grade 8 are recommended to choose "Beginning Band 9".

BEGINNING BAND 9

Beginning Band 9 is a course that is ideal for students who would like to enter the Band program. This course is catered to students who did not or were not able to join Concert Band in Grade 8. Emphasis will be on basic technique, note reading, and ear training. Evaluation will be based on progress, attitude, and participation during rehearsals and performance opportunities. Everyone is welcome to register for this course, regardless of experience level.

CONCERT BAND 10

Concert Band 10 is designed to further develop skills and concepts learned in Concert Band 9. Concepts emphasized include theory, technique, tone production, and rhythm. Students will receive instruction on their instrument and will listen to and

perform music in a wide variety of styles. Students will perform at Tamanawis Band Concerts, the District Concert Band Revue and on extra-curricular band trips. Students who enroll in Concert Band 10 must have 1 to 2 years' experience in a music course at Tamanawis, or they must have a consultation with the Music Director.

CONCERT BAND 11

This course is part of our most senior level wind ensemble. Course content includes advanced development of all music skills developed in previous years of band. Students in this ensemble are committed to participate in all this ensembles' performance endeavors. The goal of lifelong music enjoyment will be explored through participation in music festivals, competitions and trips. Students must have successfully completed Concert Band 10 or they must have a consultation with the Music Director prior to registering for this course.

CONCERT BAND 12

This course is part of our most senior level wind ensemble. Course content includes advanced development of all music skills developed in previous years of band. Students in this ensemble are committed to participate in all this ensembles' performance endeavors. The goal of lifelong music enjoyment will be explored through participation in music festivals, competitions and trips. Students must have successfully completed Concert Band 11 or have had a consultation with the Music Director prior to registering for this course.

FINE ARTS–Drama/Music/Visual Arts

JAZZ BAND 9

Jazz Band 9 is offered as an X-block which runs from 3:15 pm – 4:15 pm afterschool on Tuesdays and Thursdays. The Junior Jazz 9 course undertakes the study of jazz style in a big band setting. Instruments included are saxophone, trombone, trumpet, drum set, bass, guitar and piano. As Junior Jazz 9 is a full-credit course, enrolling students will have an extra course on their transcript. Evaluation will be based on progress, participation, and attitude during rehearsals and performances. It is expected that students who choose to join Jazz Band are enrolled in Concert Band 9 and must have a consultation with the Music Director prior to registering for this course.

JAZZ BAND 10

Jazz Band 10 is offered as an X-block which runs from 3:15 pm – 4:15 pm afterschool on Tuesdays and Thursdays. The Junior Jazz 10 course undertakes the study of jazz style in a big band setting. Instruments included are saxophone, trombone, trumpet, drum set, bass, guitar and piano. As Junior Jazz 10 is a full-credit course, enrolling students will have an extra course on their transcript. Evaluation will be based on progress, participation, and attitude during rehearsals and performances. It is expected that students who choose to join Jazz Band are enrolled in Concert Band 10 and must have a consultation with the Music Director prior to registering for this course.

JAZZ BAND 11

Jazz Band 11 is offered as an X-block which runs from 7:15 am – 8:15 am before school. Jazz Band 11 undertakes the study of jazz style in a big band setting. Instruments included are saxophone, trombone, trumpet, drum set, bass, guitar and piano. As Jazz Band 11 is a full-credit course, enrolling students will have an extra course on their transcript. Evaluation will be based on progress, participation, and attitude during rehearsals and performances.

JAZZ BAND 12

Jazz Band 12 is offered as an X-block which runs from 7:15 am – 8:15 am before school on Tuesdays and Thursdays. Jazz Band 12 undertakes the study of jazz style in a big band setting. Instruments included are saxophone, trombone, trumpet, drum set, bass, guitar and piano. As Jazz Band 12 is a full-credit course, enrolling students will have an extra course on their transcript. Evaluation will be based on progress, participation, and attitude during rehearsals and performances.

GUITAR 9

This course is designed to cater to beginner to advanced guitar students. As this course is structured to move at the students own pace, it is important that students who choose Guitar 9 are able to regulate their learning. Students will be able to borrow a guitar from the Music Program or dust off the one they have sitting in at home to participate in this course. Students will have the opportunity to develop skills on the Acoustic, Electric or Bass Guitars and also the Ukelele. In addition, there will be opportunities for students to learn basic digital recording, mixing and editing on iMac computers.

FINE ARTS–Drama/Music/Visual Arts

GUITAR 10

This course is designed to cater to beginner to advanced guitar students. As this course is structured to move at the students own pace, it is important that students who choose Guitar 10 are able to regulate their learning. Students will be able to borrow a guitar from the Music Program or dust off the one they have sitting in at home to participate in this course. Students will have the opportunity to develop skills on the Acoustic, Electric or Bass Guitars and also the Ukelele. In addition, there will be opportunities for students to learn basic digital recording, mixing and editing on iMac computers.

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This course is designed to cater to beginner to advanced guitar students. As this course is structured to move at the students own pace, it is important that students who choose Guitar 12 are able to regulate their learning. Students will be able to borrow a guitar from the Music Program or dust off the one they have sitting in at home to participate in this course. Students will have the opportunity to develop skills on the Acoustic, Electric or Bass Guitars and also the Ukelele. In addition, there will be opportunities for students to learn basic digital recording, mixing and editing on iMac computers.

DRUMLINE 9

This exciting course is for students who are interested in being involved in a high energy group of percussion instruments. Students are welcome regardless of their present skill set, whether it be beginner to advanced. Students will learn to read rhythm patterns, techniques to playing each drum and will have the opportunity to perform in a team-based ensemble.

DRUMLINE 10

This exciting course is for students who are interested in being involved in a high energy group of percussion instruments. Students are welcome regardless of their present skill set, whether it be beginner to advanced. Students will learn to read rhythm patterns, techniques to playing each drum and will have the opportunity to perform in a team-based ensemble.

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This exciting course is for students who are interested in being involved in a high energy group of percussion instruments. Students are welcome regardless of their present skill set, whether it be beginner to advanced. Students will learn to read rhythm patterns, techniques to playing each drum and will have the opportunity to perform in a team-based ensemble.

FINE ARTS–Drama/Music/Visual Arts

VOCAL PERFORMANCE 8

This course is designed to introduce students to the elements of singing in a choral setting. Students will sing a wide variety of music and will receive instruction in correct vocal technique, microphone technique, music reading and performance skills. Students will perform at numerous Tamanawis Music concerts, a choral revue and will have the opportunity to participate in various extra-curricular tours. This class will meet twice a week outside of the regular timetable (likely Monday and Wednesday afternoon from 3:15 - 4:15 p.m.). As Vocals 8 is a full-credit course, enrolling students will have an extra course on their transcript. Evaluation will be based on progress, participation, and attitude during rehearsals and performances.

VOCAL PERFORMANCE 9

This course is designed to introduce students to the elements of singing in a choral setting. Students will sing a wide variety of music and will receive instruction in correct vocal technique, microphone technique, music reading and performance skills. Students will perform at numerous Tamanawis Music concerts, a choral revue and will have the opportunity to participate in various extra-curricular tours. This class will meet twice a week outside of the regular timetable (likely Monday and Wednesday afternoon from 3:15 - 4:15 p.m.). As Vocals 9 is a full-credit course, enrolling students will have an extra course on their transcript. Evaluation will be based on progress, participation, and attitude during rehearsals and performances.

VOCAL PERFORMANCE 10

This course is designed to introduce students to the elements of singing in a choral setting. Students will sing a wide variety of music and will receive instruction in correct vocal technique, microphone technique, music reading and performance skills.

Students will perform at numerous Tamanawis Music concerts, a choral revue and will have the opportunity to participate in various extra-curricular tours. This class will meet twice a week outside of the regular timetable (likely Monday and Wednesday afternoon from 3:15 - 4:15 p.m.). As Vocals 10 is a full-credit course, enrolling students will have an extra course on their transcript. Evaluation will be based on progress, participation, and attitude during rehearsals and performances.

VOCAL PERFORMANCE 11

This course is designed to introduce students to the elements of singing in a choral setting. Students will sing a wide variety of music and will receive instruction in correct vocal technique, microphone technique, music reading and performance skills. Students will perform at numerous Tamanawis Music concerts, a choral revue and will have the opportunity to participate in various extra-curricular tours. This class will meet twice a week outside of the regular timetable (likely Monday and Wednesday afternoon from 3:15 - 4:15 p.m.). As Vocals 11 is a full-credit course, enrolling students will have an extra course on their transcript. Evaluation will be based on progress, participation, and attitude during rehearsals and performances.

VOCAL PERFORMANCE 12

This course is designed to introduce students to the elements of singing in a choral setting. Students will sing a wide variety of music and will receive instruction in correct vocal technique, microphone technique, music reading and performance skills. Students will perform at numerous Tamanawis Music concerts, a choral revue and will have the opportunity to participate in various extra-curricular tours. This class will meet twice a week outside of the regular timetable (likely Monday and Wednesday afternoon from 3:15 - 4:15 p.m.). As Vocals 12 is a full-credit course, enrolling students will have an extra course on their transcript. Evaluation will be based on progress, participation, and attitude during rehearsals and performances.

FINE ARTS–Drama/Music/Visual Arts

ART 9

This course is designed as a review and development of the elements and principles of design, two-dimensional and three-dimensional art (drawing, painting, sculpture, textiles and crafts), art appreciation, and art history. Evaluation is based on completion of assignments and effort in class. Completion of Art 9 fulfills the FINE ARTS requirement.

VISUAL ARTS 10: GENERAL

Art 10 involves further development of those techniques, and processes introduced in Art 9 and puts emphasis on ,graphics, two-dimensional and three-dimensional art, art ,appreciation, and art history. Evaluation is based on completion of projects, quizzes, and/or written assignments, and effort in class.

VIDEO AND FILM 10

This course is designed to give students an introduction into video production and provide exposure to a variety of genres of film-making including short-films, music videos and experimental art film. Students will engage in film criticism.

ART FOUNDATIONS 11

Art 11 and 12 will develop skills learned in previous art courses, and meet the needs of students who are taking art for the first time and need a foundation class. Students will review design, drawing, painting, printmaking, and limited three-dimensional work. Historical and contemporary imagery and reasoned criticism will be applied to all projects. Personal growth will be encouraged through development of an individual portfolio and sketchbooks.

ART FOUNDATIONS 12

Art 12 will develop skills learned in previous art courses, and meet the needs of students who are taking art for the first time and need a foundation class. Students will review design, drawing, painting, printmaking, and limited three-dimensional work. Historical and contemporary imagery and reasoned criticism will be applied to all projects. Personal growth will be encouraged through development of an individual portfolio and sketchbooks. Art 12 allows for more independent studies and image development based on advanced skill and prior knowledge.

STUDIO ARTS 11: Ceramics and Sculpture

This course will involve greater depth of explorations in the 3D visual expression areas. This will include ceramics and sculpture and may be supplemented with modelling, mixed media, and fibre arts.

STUDIO ARTS 12: Ceramics and Sculpture

This course provides an opportunity to explore a variety of techniques and media in three-dimensional art. Projects will involve the use of plaster, clay, papier mache, and a unit on soapstone carving. Evaluation will be based on class projects, work habits, homework, and a research assignment.

STUDIO ARTS 9-12: Ceramics and Sculpture

This course provides an opportunity to explore a variety of media in three-dimensional art. Projects will include ceramics and sculpture and will involve the use of plaster, clay (modelling, hand-building and wheel-throwing), mixed media, fibre arts, papermache, and soapstone carving. Evaluation will be based on class projects, work habits, homework and a research assignment.

FINE ARTS–Drama/Music/Visual Arts

STUDIO ARTS: Graphics and Design (PHOTOGRAPHY 10-12)

This course will include the fundamentals of digital photography and image editing using Adobe Photoshop. Emphasis will be on proper use of camera settings to create image quality in the context of the digital revolution. Levels 1, 2 and 3 will be applied to each student as the course may be repeated. Students in higher levels will be given

more challenging assignments and will act as ambassadors to others. Assignments may include extra-curricular events and activities within the school. Students will respond to and evaluate historical and contemporary photography in advertisements, portraiture and fine art. Student photos may be chosen to be printed and exhibited in the school and community art shows, and/or the school Instagram, Twitter and Facebook accounts.

Special Opportunities LIBRARY SCIENCE

TAMANAWIS LIBRARY LEARNING COMMONS

The Library Learning Commons at Tamanawis Secondary is a literacy-rich environment – full of print, word walls, books, and reading materials. It is also a flexible, innovative and inclusive hub of learning. We are committed to providing students with access to a variety of information resources, facilities for learning, technology and expertise to empower students in becoming successful, life-long consumers and creators of information in our technologically rich society. We encourage everyone to actively participate in learning and trying new things.

We are open all day, including before school, at lunch and after school. Our regular hours are 8:00 am – 3:15 pm. During special library events, hours may change. Look for signs and notices and listen to the daily announcements.

LIBRARY SCIENCE 10

This course is designed to introduce students to library work including organization, procedures and practical skills involved in running an automated library. Students will develop knowledge and skills in the areas of customer service, resource management, information retrieval, information technology, digital literacy and research. A positive attitude towards reading, media and technology, and a good work ethic is recommended. Students are encouraged to work in a businesslike manner and must be able to work independently. Evaluation is based on daily work habits, assignments and project work.

LIBRARY SCIENCE 11

This is a practical course where students are involved in the day-to-day running of an automated library. Students will develop knowledge and skills in the areas of customer service, resource management, information retrieval, information technology, digital literacy, research, library philosophy, and career exploration. A positive attitude towards reading, media and technology, and a good work ethic is recommended. Students are encouraged to work in a businesslike manner and must be able to work independently. Evaluation is based on daily work habits, assignments and project work.

LEARNING SUPPORT and PEER TUTORING PROGRAM

THE LEARNING SUPPORT PROGRAM

The Learning Support Program (LST) is available for students who need support and assistance in their academics. The program consists of enrolled tutorials/skill building classes for designated students and non-enrolled drop-in opportunities for all other learners.

LST TUTORIALS

The Learning Support program provides designated students with a tutorial block to support them in their education. In a tutorial block, students receive assistance and support in areas of need and build fundamental academic skills in a supportive environment. Please note that LST courses are zero credits unless otherwise stated.

PEER TUTORING 11

This course provides students with an opportunity to help peers who are experiencing difficulty with their academic subjects, organizational skills, study skills, and/or work habits. Peer tutors undergo training and develop knowledge and skills related to the variety of teaching and learning styles that exist

and other factors that may impact student learning and achievement. Peer tutors are then assigned to assist in academic classes and specialized programs such as Learning Support.

PEER TUTORING 12

This course is a continuation of Peer Tutoring 11. It provides students with further opportunities to help peers who are experiencing difficulty with their academic subjects, organizational skills, study skills, and/or work habits. Peer tutors expand their knowledge and skills related to teaching and learning. Peer tutors are then assigned to assist in academic classes and specialized programs such as Learning Support.

CAREER DEVELOPMENT

CAREER CENTRE SERVICES

- CAREER EXPLORATION
- CAREER PREPARATION (RESUMES, COVER LETTERS, INTERVIEW SKILLS)
- SCHOLARSHIP OPPORTUNITIES
- POST-SECONDARY INFORMATION, APPLICATIONS & PSI REGISTRATION
- WORK EXPERIENCE OPPORTUNITIES
- VOLUNTEER OPPORTUNITIES
- APPRENTICESHIPS & SSA PROGRAM
- GUEST SPEAKERS

CAREER PROGRAMS

- CAREER LIFE EDUCATION (MANDATORY COURSE – REPLACES PLANNING 10)
- CAREER LIFE CONNECTIONS (NEW MANDATORY COURSE REPLACES GTP)
- TRANSITION PROGRAM
- CO-OP PROGRAMS (CULINARY CO-OP)
- DISTRICT APPRENTICESHIP TRAINING (PARTNERSHIP PROGRAMS)
- SECONDARY SCHOOL APPRENTICESHIP (SSA or YOUTH WORK IN TRADES)
- WORK EXPERIENCE

SPECIALTY PLACEMENTS

- RCMP YOUTH ACADEMY & CAREER PREP PROGRAM
- BCIT BIOTECHNOLOGY CAREER AWARENESS
- SCIENCE WORLD & VANCOUVER AQUARIUM
- SKILLS CANADA COMPETITIONS
- JUMP START; DREAM ACADEMY; STICKS & STARS
- MINI MED SCHOOL, GAIRDNER SYMPOSIUM & DISCOVERY DAYS
- BIG BROTHERS BIG BUDDY PROGRAM
- CAREERS IN HEALTH STUDENT CONFERENCE
- SOLDIER FOR A DAY

CAREER LIFE EDUCATION 10

This course replaces Planning 10 as a Ministry-mandated course to meet graduation requirements. Options for students after high school are becoming increasingly varied and complex, and successful transition to post-secondary life requires lifelong planning and learning. The Career Education curriculum involves students in research, problem solving, and decision making relevant to their life journey.

Curricular competencies (what students are expected to be able to do) include:

- Consider the impact of personal and career choices on themselves and others
- Recognize the need for a healthy balance between school and other life activities
- Recognize the influence of their communication skills and digital footprint on job-seeking
- Consider the need for **ethical behavior**, **equality**, and **equity** within the work environment

CAREER DEVELOPMENT

- Appreciate the importance of safety skills and workplace safety in specific careers/occupations and technologies
- Locate and apply local and global career and labour market information to make potential career and life decisions
- Appreciate the role of personal networks in choosing and advancing career paths
- Create an initial career and education plan, considering financial implications

CAREER LIFE CONNECTIONS 12

This Ministry-mandated course **can be completed in grade 11 or 12** and replaces the former Graduation Transitions Plan. The need for a senior dedicated course is based on the understanding that career and education paths require ongoing exploration, planning, evaluation, and adaptation.

Curricular competencies (what students are expected to be able to do) include:

- Explore and articulate career opportunities based on research and **ways of knowing**
- Complete a minimum of 30 hours of work experience or volunteering
- Cultivate and engage personal networks as a **post-graduation** resource
- Critically assess and interpret career related information including labour market trends
- Demonstrate an awareness of employment standards and various workplace safety standards
- Apply local and global sustainability and economic trends to personal career and life choices as an **educated citizen**
- Demonstrate a degree of self-assessment and preparation needed to reach post-graduation goals and plans
- Design, assemble and present a culminating (capstone) project to an audience

WORK EXPERIENCE 12A & WORK EXPERIENCE 12B

An integral component of co-op programs, these two Ministry approved courses can also be taken as stand-alone courses, or backed with **Career Life Connections 12** to enable students to complete a work experience opportunity in the community within the school timetable.

Community based work experience is intended to help prepare students for the transition from secondary school to the world of work or post-secondary education. Experiential learning in the community can provide a frame of reference to review or revise a student's career goals. Work experience provides students with an opportunity to apply classroom learning in a context outside of school and bring back to the classroom new concepts about their learning. Work experience also provides students with the chance to gain new skills that can be used in future employment opportunities.

The classroom component of Work Experience 12A and Work Experience 12B includes units on employment standards, workplace safety, workplace etiquette, and employability skills.

Goals for Work Experience courses include:

- Connect what students learn in the classroom with the knowledge, skills and attitudes needed in the workplace
- Gain the knowledge, skills and attitudes needed to be successful in the world of work
- Develop job readiness skills for specific occupations and careers
- Understand the similarities and differences in behavior standards between the workplace and school

Whenever possible, work placements will reflect a student's career and personal goals, as well as their interests, abilities and aptitudes. These are the main factors that form the basis of career planning. Work experience can be paid or unpaid, and arranged by the school or the student.

CAREER DEVELOPMENT

FOCUS AREAS:

Students who participate in career programs (co-ops, work experience, partnership programs, SSA program) will graduate with a designation in one of the following Focus Areas:

- Business & Applied Business
- Fine Arts, Design & Media
- Fitness & Recreation
- Health & Human Services
- Liberal Arts / Humanities
- Science & Applied Science
- Tourism, Hospitality & Foods
- Trades & Technology

DISTRICT PARTNERSHIP PROGRAMS



SKILLED TRADES TRAINING in partnership with our local Post-Secondary schools.

TUITION IS PAID BY THE SURREY SCHOOL DISTRICT

Partnership programs allow qualified students to complete foundation level skilled trades training while still in high school. Students apply through the career centre in March of their grade 10 or grade 11 year, and complete training during one semester the following year. (Electrician and Hairstylist programs require two semesters to complete)

Also known as **ACE IT** or **YOUTH TRAIN in TRADES** programs. At present, Surrey offers 20 District Partnership Programs:

- Automotive Service Technician (VCC)
- Auto Collision Repair / Auto Refinishing Prep (VCC)
- Baking & Pastry Arts (VCC)
- Canadian Flight Centre Ground School (CFC)
- Carpentry (KPU)
- Culinary Arts (Professional Cook) (VCC)
- Drafting (CADD) (KPU)
- Education Assistant (Surrey Community College)
- Electrician (BCIT)
- Emily Carr Head Start in Art (ECU)
- Hairstylist (SD36)
- Horticulture (KPU)
- Law Enforcement Preparatory Program (NVIT)
- Masonry (KPU)
- Metal Fabrication (BCIT)
- Millwright (KPU)
- Painter/Decorator (FTI)
- Plumbing (KPU)
- Roofing (RCA)
- Welding (KPU)

CAREER DEVELOPMENT

BENEFITS FOR PARTICIPANTS:

- Dual Credits (both High School & Post-Secondary)
- Get a head start in an apprenticeship
- **Tuition-free post-secondary training**
- Avoid long waitlists for skilled trades programs at BCIT and VCC
- May qualify for \$1000 SSA award (Secondary School Apprenticeship)

SECONDARY SCHOOL APPRENTICESHIP



The Secondary School Apprenticeship (Youth Work in Trades) program provides students 15 years of age or older with the opportunity to start an apprenticeship while still in high school. Students can enroll in the SSA program who:

- Work in a skilled trades area during weekends and/or summers
- Gain Work Based Training hours through a District Partnership program

Skilled trades that qualify for participation in the SSA program include:

Baking & Pastry, Carpentry, Cook, Drywall & Plastering, Electrician, Flooring Installer, Glazier, Hairstylist, Horticulturist, Painting & Decorating, Plumbing, Roofing, Welding and more!

See the ITA website for a complete list of apprenticeable skilled trades:

<http://www.itabc.ca/discover-apprenticeship-programs/search-programs>

BENEFITS FOR PARTICIPANTS:

- Earn 16 extra credits toward graduation
- Accumulate hours towards skilled trade certification
- Earn money while acquiring a skill
- Avoid long waitlists for skilled trades programs at BCIT and VCC
- Win a \$1000 SSA Scholarship (must accumulate 900 work based training hours within six months of graduation date)

**PLEASE DROP BY THE CAREER CENTRE FOR MORE INFORMATION ABOUT
THE SSA PROGRAM. (YOUTH WORK IN TRADES)**