

## ENGLISH 12

**EN600** Grade Level 12 Credits 4.000

*The main emphasis of this course is the critical study of contemporary literature and the expression of thoughtful, independent judgment. The study involves not only analyzing style, rhetoric, structure and language, but also attempts to develop competence in evaluating the quality of ideas presented in the literature which would include essays, stories, poetry, novels and plays. A Provincial Exam worth 40% of the final mark must be written by students in this course. Assignments and activities will include essays (expository and personal), tests, quizzes and oral presentations as well as preparatory work for the Provincial Exam.*

## ENGLISH 12 FIRST PEOPLES

**EF600** Grade Level 12 Credits 4.000

*EF12 is one of the three courses available for students to satisfy the grade 12 English Language Arts graduation program requirements. Students will study authentic First Peoples' texts in a variety of traditions with a strong emphasis on the oral pedagogy of First Peoples' culture and First Peoples' world views. Students will focus on the central themes of Identity and the Significance of Colonization. This course is open to all students who have completed the prerequisite. The structure of the course lends itself to activities that stress cooperative learning and creative thinking. A Provincial Exam worth 40% of the final mark must be written by all students in this course. Assignments and activities will include oral and written projects and assessments related to literature topics covered.*

## GRADUATION TRANSITIONS

**GT600** Grade Level 12 Credits 4.000

*Graduation Transitions is an ongoing process throughout the graduation years, starting in Planning 10 and culminating in Grade 12. This is an opportunity for students to reflect on their knowledge and abilities and plan for life after graduation. Students must collect evidence of their achievements in the following required areas. Personal Health - Students develop a personal health plan and document participation in 150 minutes per week of moderate to vigorous physical activity in Grade 10, 11 and 12. Community Connections - Students explore personal and career goals during secondary school and create a plan for life after graduation. Successful completion of Graduation Transitions is required to graduate.*

## ABORIGINAL STUDIES 12

**AS650** Grade Level 12 Credits 4.000

*This course focuses on the oral and artistic expression of Aboriginal cultures. It also deals with Aboriginal traditions, issues and customs, both pre- and post-European settlement. Students in this course are encouraged to take a leadership role in the class, school and wider community. Aboriginal Studies is a graded elective.*

## ACCOUNTING 11

**BE510** Grade Level 11 Credits 4.000

*RECOMMENDATION-Known as the "language of business", accounting will teach the student the basics of how money works from initial transaction to closing the books at year end. Planning on entering tourism, the hotel/restaurant industry, marketing, management or any other business option at college or university? Accounting is a requirement for a small business. Student workbooks used in class may be purchased. COURSE CONTENT-Basic accounting equation, Recording business transactions, Financial statements, Accounts Receivable, Accounts Payable, General Journals, General Ledger, Current accounting and business terminology. Students use Simply Accounting 6 or Windows. ASSIGNMENTS/ACTIVITIES-Using journals and ledgers, general and specialized, Preparing statements-Balance Sheets and Income Statements, Keeping the books for small business*

(simulation), Entering data into the computer for recording and statement preparation. Completing Personal Tax Manually and Electronically.

## **ACCOUNTING 12**

**BE610** Grade Level 12 Credits 4.000

*RECOMMENDATION*-This course should be taken by students considering a career in business, and is a required course for the Accounting Career Prep Program. Student workbooks used in class may be purchased. *COURSE CONTENT*-Accounting 12 enables students to use industry-standard software and systems to analyze and solve accounting problems and produce and present accounting reports for a small business. Topics covered include: Accounting cycle to Financial Statement, Depreciation, Bank Reconciliation Statements, Payroll and Inventory Applications, Accounting for a partnership, a corporation and financial analysis; Simply Accounting 6.0 software will be used.

*ASSIGNMENTS/ACTIVITIES*-Recording transactions-general and specialized journals and ledgers. Preparing Financial statements. Keeping payroll records and using the computer for recording and statement preparation.

## **BUSINESS COMPUTER APPLICATIONS 11**

**BE530** Grade Level 11 Credits 4.000

*This is the most useful class you will ever take. This project-based course uses MS-Office 2010 software. In this course you will: improve your touch typing skills, create professional-looking newsletters, spreadsheets, database reports and brochures. Learn to do cool things you never thought of in Word.*

## **ECONOMICS 12**

**BE665** Grade Level 12 Credits 4.000

*Economics 12 fills the admission requirements for local universities such as SFU and UBC. Students will understand how an economy works from a macro and micro economic perspective. In addition to economic concepts, students will also be taught how to put together and conduct business presentations, formal business reports, and to think critically. An emphasis is placed on what to expect from both a university course structure and a career in business. Topics include: Government policies and price controls, Supply and Demand, Economic Indicators, The Canadian and Global economy, Financial Securities and the Stock Market, The Real Estate Market, Incentives and Human Behaviour and Current Business news and trends.*

## **ENTREPRENEURSHIP 12**

**BE620** Grade Level 12 Credits 4.000

*RECOMMENDATION*-This course is recommended for anyone interested in learning about how business works. It offers a wide range of business topics and gives students the opportunity to develop skills through the creation of two real businesses. Depending on the success of these businesses, students will be able to earn money during the course. *COURSE CONTENT*-Students learn the theories of business development and operation. While these theories are being studied, practical business experiences will be planned, created and opened. Before Xmas students will engage in a corporate style business competition where teams are set up, products are developed and sold and profits are shared. For more information on this course, please see the Course Planning Guide. *ASSIGNMENTS/ACTIVITIES*-Students will be engaged in all three real business activities as well as numerous business planning assignments.

## **FINANCIAL ACCOUNTING 12**

**BE615** Grade Level 12 Credits 4.000

*RECOMMENDATION*-Financial Accounting 12 is for a Grade 12 student who would like to learn the basics of accounting including solving financial problems that business face. Students gain insights into financial problems and their solutions. This course will provide a

sound background for a student who would like to learn to keep a set of books for a small business and/or pursue further study in accounting at the post-secondary level. Student workbooks used in class may be purchased COURSE CONTENT-Accounting cycle for Service and Merchandising Business. Inventory Control, Cash and Internal Control and Financial Statement Analysis. ASSIGNMENTS/ACTIVITIES-Preparing journals and ledgers. Preparing financial statements. Preparing books for a small business. Using computer software for statement preparation and Completing Personal Tax Manually and Electronically.

## **MARKETING 11**

**BE560** Grade Level 11 Credits 4.000

COURSE CONTENT-Marketing 11 provides students with an opportunity to develop an understanding of basic marketing concepts, practices and strategies. Students learn how marketing helps businesses determine and meet customer needs, how and why businesses present a variety of products and services and how marketing helps individuals and businesses become successful. Topics include: an introduction to marketing, market research, customer buying behaviour, identifying target markets, sales promotion and advertising and creating a marketing plan. ASSIGNMENTS/ACTIVITIES-Marketing 11 incorporates a wide variety of projects and activities. For example, students will conduct market research, design advertising and promotional materials, and create a detailed marketing plan for a specific business or product.

## **3D MAKERSPACE 12 = 2 BLOCKS**

**Z3D12** Grade Level 12 Credits 1.000

A Makerspace is a workspace where creative students come together to dream, invent, build and share their ideas. It is a combination of a computer lab, woodshop, laboratory, electronics shop and art studio. Students will have access to 3D printers, laser cutter, Arduino and Raspberry Pi kits, Lego Mindstorm robotics, flatbed printers, and cameras just to start. Students are encouraged to discover and follow their passions, invent new creations and solve real world problems with innovative thinking. THIS IS A DOUBLE-BLOCK COURSE.

## **ADVANCED DIGITAL MEDIA 12**

**DM660** Grade Level 12 Credits 4.000

Create your own Digital Direction! See [www.3ddss.com](http://www.3ddss.com) Graphic Design-Phone Apps-Film & Audio Production-Game & Web Design

This course is for those already enrolled in or has completed DM12, and would like to pursue another stream of digital media (graphic design, film production, game design or web design); or spend more time furthering their interests in their current stream. Students will work on projects such as magazine layouts, poster design, scripting, shooting and editing movies or building their own video games or phone apps; learn to use tools such as Photoshop, Illustrator, Premiere Pro and GameMaker Studio. Use great equipment including HD professional camcorders, digital cameras, drawing tablets and 3-D printing! Students should be self-motivated and be able to work independently.

## **COMPUTER ANIMATION 11**

**DM525** Grade Level 11 Credits 4.000

Satisfies Applied Skill credits.

OVERVIEW-Computer 3D Animation and CGI 11 are linked to the new 3D Digital Media program. Computer animation in Vancouver is a growth industry with over 130 game development and CGI companies. COURSE CONTENT-Computer 3D Animation and CGI 11 is linked to the new 3D Digital Media program. This is a course designed to continue learning the art of Animation, 3D Mesh Modeling, lighting, scene development within the digital CGI world. Level 2 Animation will focus on personal development in character design, sketching and 3D digital modeling, leading to "making things move". Blender, Pivot Stick Man and

other applications.

**COMPUTER ANIMATION 12** **DM625** Grade Level 12 Credits 4.000

*OVERVIEW-Computer 3D Animation & CGI 12 is linked to the new 3D Digital Media program. Computer animation is a growth industry in BC. CGI skills with animation and modeling is a large part of that growth, with application to a diverse range of fields ranging from film and television production to computer game development and design. COURSE CONTENT-This course will provide students with the opportunity to develop a skill set that will enhance their transition to post-secondary and industrial animation opportunities. Course Synopsis: An advanced course in animation with an emphasis on character animation, mesh models, lighting, camera movement and more. The course will be project driven with an emphasis on using the principles of animation.*

**COMPUTER INFORMATION SYSTEMS 11** **DM570** Grade Level 11 Credits 4.000

*This course is for students interested in learning about computer hardware and software systems, and their maintenance and repair. The completion of this course will prepare students for A+ professional certification, essential for work in the computer sector. This is a web-based course with practical hands-on labs. Students should be self-motivated and able to work independently. Credit will be given for Cisco ITE1 (which can count for credit at some post-secondary institutions) as well as DM570.*

**DIGITAL MEDIA DEVELOPMENT 11** **DM550** Grade Level 11 Credits 4.000

*Digital Media 11 is part of the Delta Digital Design (3D) program. It is a flexible learning environment that allows students to pursue their own interests: graphic design, film production, game design or web design. Students will work on projects such as magazine layouts, poster design, scripting, shooting and editing movies or building your own video games or phone apps; learn to use tools such as Photoshop, Illustrator, Premiere Pro and GameMaker Studio. Use great equipment including HD professional camcorders, digital cameras, drawing tablets and new to the program, 3-D printing! Students should be self-motivated and able to work independently.*

**DIGITAL MEDIA DEVELOPMENT 12** **DM650** Grade Level 12 Credits 4.000

*This course is for grade 12 students, or students who have completed DM550. DM12 is part of the Delta Digital Design (3D) program. It is a flexible learning environment that allows students to pursue their own interests: graphic design, film production, game design, web design, or even 3-D printing! For those who have completed DM550 plus/or DM560, this course gives students the freedom to further explore their areas of interest with more individualized projects and the opportunity to develop their portfolio. Students should be self-motivated and able to work independently.*

**CREATIVE WRITING 12** **EN620** Grade Level 12 Credits 4.000

*Creative Writing is designed for senior students who have a flair and a passion for writing. Students will have opportunities to develop writing skills in a variety of genres, including memoir, poetry, short fiction, scripts and creative non-fiction. Students will also read and write in their journals daily. The focus of the course is on improving individual student's writing styles and increasing awareness of the publishing process and the broader writing community. The course will be critiqued through individual and collaborative workshops and the evaluation of writing portfolios.*

## ENGLISH LITERATURE 12 AP

**EN610A** Grade Level 12 Credits 4.000

### ADVANCE PLACEMENT

Literary works are "thought experiments" that speak to the human condition. Authors through the centuries have attempted to communicate tentative answers and this course is a survey of some of the foundational writers of the English literary tradition. The course will deepen your understanding and appreciation of the ideas and writings that have shaped our contemporary democratic world. Students planning to attend post-secondary education will develop the writing and thinking skills required for success at university or college. Also, the student will be prepared for an optional Advanced Placement exam. The successful A.P. student can, for most university programs in North America, skip first year English. If preferred, the student can opt out of the exam and simply aim for English Literature 12 credits. Essays and tests will be the main assignments. This course is offered as a blended DeltaAccess and school course after school for one hour per week.

## FARM ROOTS MINI SCHOOL 12

**ZFAR12** Grade Level 12 Credits 4.000

*Farm Roots: a ground breaking mini-school is an opportunity for students to apply their learning to the hands-on, real-life project of building and maintaining a farm at the Boundary Beach 8-acre campus. Students will take 16-20 credits every second day at Farm Roots. These credits will include one or two sciences, a social science, Leadership, Entrepreneurship and an Independent Studies course. There is also the potential of earning Kwantlen Polytechnic University credits. This program is a good fit for a grade 10-12 student who wants to try something different while learning a whole series of transferable skills relevant to the business, health sciences, and environmental fields.*

## CAFETERIA TRAINING 11

**HE560** Grade Level 11 Credits 4.000

*Culinary Arts program focuses on professional food preparation. Students learn and develop skills for the culinary industry. Culinary Art students take pride in creating delicious, nutritious and attractive food items for the schools "Pacer's Bistro" as well as occasional banquets. The recipes, equipment and pace of the program are representative of a professional kitchen. Students progress through baking, sandwiches, salads, soups, sauces and hot foods, as well as customer service and sanitation using a hands-on approach. Theory and the BC FoodSafe Certification Course are also taught through short lectures in the classroom. In addition, learning is achieved through exciting and dynamic culinary field trips. Many scholarship opportunities and awards are available to outstanding Culinary Art students. Students also develop an awareness of the need for constant attention to safety and hygiene within public food service operations.*

## CAFETERIA TRAINING 12

**HE660** Grade Level 12 Credits 4.000

*Culinary Arts program focuses on professional food preparation. Students learn and develop skills for the culinary industry. Culinary Art students take pride in creating delicious, nutritious and attractive food items for the schools "Pacer's Bistro" as well as occasional banquets. The recipes, equipment and pace of the program are representative of a professional kitchen. Students progress through baking, sandwiches, salads, soups, sauces and hot foods, as well as customer service and sanitation using a hands-on approach. Theory and the BC FoodSafe Certification Course are also taught through short lectures in the classroom. In addition, learning is achieved through exciting and dynamic culinary field trips. Many scholarship opportunities and awards are available to outstanding Culinary Art students. Students also develop an awareness of the need for constant attention to safety and hygiene within public food service operations.*

## **FOOD STUDIES 11**

**HE500** Grade Level 11 Credits 4.000

*Students who choose Food Studies 11 will continue to grow their skills from Grade 10 regarding food safety, kitchen safety, as well as using a variety of cooking methods. Recipes will be dissected and a closer look will be made at functions of ingredients in baking as well as how to make meals more nutritious. Cooking practices will continue in all areas such as pastas, rice dishes, appetizers, yeast breads, different types of pastry for sweet as well as savory items, and a unit on cookies focusing on refrigerated cookies and gingerbread houses in the winter term. This course focuses on practical skills while having fun! No prerequisite required.*

## **FOOD STUDIES 12**

**HE600** Grade Level 12 Credits 4.000

*Food Studies 12 is a very hands on practical course. Baking and cooking practices are continued with a focus on learning functions of ingredients as well as making multi course meals more nutritious. Pastas, meat and alternatives, vegetables, salads, as well as baked goods are a few of the units covered in this course. Course highlights will be a roasted stuffed chicken in the winter term as well as learning the technique of making ice cream cakes. No prerequisite required.*

## **PROF'L BAKING & PASTRY ARTS TRAINING 12**

**HE670** Grade Level 12 Credits 4.000

*Baking and Pastry Art focuses on professional preparation and presentation of baked products and pastry items. Students learn and develop skills for the baking industry. Students progress through yeast doughs, quick breads, pies, tarts, cakes, cupcakes, cookies, custards, frostings, syrups and sauces, using a hands-on approach. Baking and Pastry Art students take pride in creating delicious, high quality and attractive food items for the school's "Pacers' Bistro", as well as occasional banquets. The recipes, equipment and pace of the program are representative of a professional kitchen. Theory and the B.C. FoodSafe course are taught through short lectures in the classroom. In addition, learning is achieved through exciting and dynamic culinary fieldtrips. Many scholarship opportunities and awards are available to outstanding Baking and Pastry Art students.*

## **TEXTILE STUDIES 11**

**HE520** Grade Level 11 Credits 4.000

*COURSE CONTENT: Provides opportunity to learn more advanced clothing construction skills by choosing more difficult patterns and fashion fabrics. The origins of fabrics and clothing, the changes in fashion over the ages and current trends in fashion are investigated by students. Curriculum topics may also include the elements of design and colour. May construct projects of choice (dresses, sportswear, unlined jackets). Projects may vary depending on current fashion trends. Skills learned may include: set-in sleeves, pockets, pleats, waistbands, etc.*

## **TEXTILES STUDIES 12**

**HE620** Grade Level 12 Credits 4.000

*RECOMMENDATION-This course is designed to be self-challenging for those students with a sincere interest in developing more advanced skills in sewing and using more difficult commercial patterns. Sewing skills will be developed through projects and theory related to patterns and fabrics. Students will study more difficult fabrics and will be expected to choose projects that challenge their sewing abilities.*

*ASSIGNMENTS/ACTIVITIES-Students will construct several garments using a variety of fabrics.*

## **FRENCH 11**

**LA500** Grade Level 11 Credits 4.000

*RECOMMENDATION*-This course is highly recommended for students who wish to fulfill their language requirement for continuing on to university. *COURSE CONTENT*-An extensive review of the previously acquired grammar and language structures developed in the prerequisite courses continues in this course and new skills are introduced using D'ACCORD 2.

*ASSIGNMENTS/ACTIVITIES*-There will be daily written exercises, oral and aural assignments in addition to quizzes and component tests. Reading extracts from assigned readers and the literature text (Rencontres) and practice in working compositions will be emphasized.

## **FRENCH 12**

**LA600** Grade Level 12 Credits 4.000

*PREREQUISITE*-Successful completion of French 11 (a standing of over 70% is recommended).

*RECOMMENDATION*-This course is highly recommended for students who wish to continue their language education. The programme D'ACCORD 3 will be used. *COURSE CONTENT*-The expansion of grammar and the exploration of more advanced grammar continues to be a focus in this course. French and French Cdn literature are introduced. *ASSIGNMENTS/ACTIVITIES*-There will be daily written exercises, and both oral and aural assignments in addition to component tests and quizzes. Reading extracts from the literature text (Decouvertes) and in-depth practice in writing compositions will be stressed.

## **GERMAN 11**

**LA510** Grade Level 11 Credits 4.000

*PREREQUISITE*-Satisfactory completion of Introductory German 11. *COURSE CONTENT*-The skills introduced in Beginner German 11 are further developed in German 11. Topics include: shopping, jobs, food and family. Cultural and geographical aspects are also included.

## **GERMAN 12**

**LA610** Grade Level 12 Credits 4.000

*PREREQUISITE*-Satisfactory completion of German 11 (a standing of over 70% is recommended). *COURSE CONTENT*-The skills introduced in German 11 are further developed. The focus will be on more advanced speaking, listening, reading and writing skills.

## **INTRODUCTORY GERMAN 11**

**LA510B** Grade Level 11 Credits 4.000

*RECOMMENDATION*-Unqualified promotion to Gr 10-12. This introductory course is designed for students in Gr 10-12 wishing to complete their language requirements.

*COURSE CONTENT*-The focus is on communicating in a German-speaking environment. Gathering and giving information on such topics as: self, shopping, travelling and food. Listening and reading comprehension are major components in this course. Cultural and geographic aspects of the German-speaking countries will also be included.

## **SPANISH 11**

**LA520** Grade Level 11 Credits 4.000

*COURSE CONTENT*-The skills introduced in Spanish 10 are further developed in Spanish 11. Emphasis continues to be in the four skills of speaking, listening, reading and writing.

## **SPANISH 12**

**LA620** Grade Level 12 Credits 4.000

*PREREQUISITE*-Successful completion of Spanish 11 (a standing of over 70% is recommended)

*RECOMMENDATION*-Those interested in enhancing their reading, writing, listening comprehension and speaking skills in Spanish are encouraged to enroll. The program Realidades 2 will be used and students will improve their Spanish through reading authentic materials. *COURSE CONTENT*-The expansion of grammar and the improvement of

reading, listening comprehension, speaking and writing skills will be the focus of this course.

## **CALCULUS 12 AP**

**MA602A** Grade Level 12 Credits 4.000

### *ADVANCE PLACEMENT*

*COURSE CONTENT*-This course is designed to prepare students for post-secondary courses in Calculus. At the end of the course, students will have the opportunity to write the AP Calculus AB Calculus Exam. This exam may provide students credit for the first semester of Calculus (Differential Calculus) at North American post-secondary institutions. A full description of this exam can be found at:

[http://www.apcentral.collegebound.com/apc/public/courses/teachers\\_corner/2178.html](http://www.apcentral.collegebound.com/apc/public/courses/teachers_corner/2178.html).

The topics to be covered include: Limits, Definition of Derivative, Derivative Rules, Graphing Functions, Extreme Value Problems and Antidriviviatives.

## **FOUNDATIONS OF MATH 12**

**MA600** Grade Level 12 Credits 4.000

*PREREQUISITE*-Foundations of Mathematics 11 with a minimum C+ Grade or better.

*COURSE CONTENT*- This is an elective academic course that expands on some of the topics studied in Foundations of Mathematics 11. Topics include financial applications, logical reasoning, probability, statistics, and relations and functions. This course is for students who do not need to study calculus in a post-secondary institution.

## **PRE-CALCULUS 12**

**MA602** Grade Level 12 Credits 4.000

*PREREQUISITE*-Successful completion of Pre-Calulus Mathematics 11 with a recommended minimum C+ grade. A graphing calculator is required for this course.

*COURSE CONTENT*-This course is designed to prepare students for the study of Calculus. The topics covered include transformations, trigonometry, logarithms and exponents, combinatorics, and polynomial, radical and rational functions. This course will be offered both as a half-year semester course and a full-year linear course. Students who complete Pre-Calculus 12 prior to their Grade 12 year will be prepared for Advanced Placement Calculus beginning in September.

## **PHYSICAL EDUCATION 12 - CO-ED**

**PE600** Grade Level 12 Credits 4.000

*PREREQUISITE*-Physical Education 11 (67% or better standing recommended)

Recommendations are for students with a keen interest in acquiring and developing improved levels of knowledge, skills and attitudes related to athletic and recreational pursuits which will continue to promote a positive attitude towards an active healthy lifestyle.

*COURSE CONTENT*-Active health, badminton, basketball, community/school service, fitness, football, indoor games, leadership activities, soccer, softball, tennis, volleyball.

Enhancements are ocean kayaking, bowling, canoeing, curling, golfing, racquetball, skating skiing (downhill/cross country), squash, windsurfing and snowboarding.

(Transportation required)

## **PHYSICAL EDUCATION 12 - GIRLS**

**PE620** Grade Level 12 Credits 4.000

*PREREQUISITE*-Physical Education 11 (67% or better standing recommended)

Recommendations are for students with a keen interest in personal fitness, health and wellness. Students should be interested in acquiring and developing improved levels of knowledge, skills and attitudes necessary to incorporate physical activity into regular routines and leisure pursuits to live an active, healthy lifestyle. Students should be self-motivated. *COURSE CONTENT* - Fitness, active health, Yoga, step aerobics, Pilates, core training, resistance training, community/school service, indoor games, leadership



activities, tennis, badminton and nutrition. Enhancement: Ocean kayaking, golfing, skiing (downhill/cros-country), snowboarding, swimming, hiking and dance may be offered. Students will have input into the selection of enhancement activities. (Transportation required)

**STRENGTH & CONDITIONING 12 - PE TRAINING** PE650 Grade Level 12 Credits 4.000

(BAA COURSE)

RECOMMENDATION-The focus of this course is to provide students an opportunity to improve their athletic performance through a structured program of muscular strength and endurance training and cardiorespiratory conditioning. Students will engage in a variety of resistance programs while studying the principles of athletic based fitness training, nutrition and human anatomy, and physiology. At this Grade 12 training level there will be more focus on Strength and Conditioning and individual training principles for life-long learning. Activities include - Resistance training, core training, plyometrics, First Aid (Emerg Level 1), injury treatment, management and presentation, Yoga, and endurance training. Enhancement: Hiking, cycling, swimming, cross-country skiing, rowing. (Transportation required.) Students will have input into the selection of enhancement activities.

**ACTING 11 - THEATRE PERFORMANCE** TH510 Grade Level 11 Credits 4.000

RECOMMENDATION-Students are recommended to attend as much live theatre as possible. COURSE CONTENT - This course is designed for the more advanced acting student who is interested in performance. It is a practical course dealing with the business of theatre. It assumes that the student has a real interest and desire to develop as an on-stage performer and is prepared to commit time, energy and talent to his/her work and partners. Self confidence, self awareness, leadership, cooperation, teamwork, as well as character development and projection, blocking, movement and voice are stressed. As well, script reading and analysis are required. ASSIGNMENTS/ACTIVITIES - Students are required to act in the DSS annual One Act Play Festival. This commitment requires many in-class and after school hours of rehearsal and performance.

**ACTING 12 - THEATRE PERFORMANCE** TH610 Grade Level 12 Credits 4.000

PREREQUISITE-Theatre Performance 11: Acting and a strong commitment to the DSS Theatre Program. RECOMMENDATION: Students to attend as much live theatre as possible. Professional productions are recommended throughout the term. COURSE CONTENT-This course is designed for the advanced acting student who wishes to continue their training/studies in acting. It reinforces the skills stressed in Acting 11, but with emphasis on excellence in performance, character analysis, development and projection, voice, movement, blocking, self challenge and self critique and theatre experimentation. Script reading and analysis required. ASSIGNMENTS/ACTIVITIES: Students are required to act in the DSS annual One Act Play Festival. This commitment requires many in class and after school hours of rehearsal and performance. Projects in: acting styles, scripted monologue and dialogue, theatre history, mask work, auditioning and cold reads, play review and character analysis. Live play review required.

**CONCERT BAND 12 - INTERMEDIATE** MU600I Grade Level 12 Credits 4.000

General Information: This is a course for Grade 12 students with minimum 1 year of recent band experience (or equivalent). The skills learned at the beginner level are expanded through playing more complex music, music theory, history and listening.

*Students are expected to practice at home for a minimum of one hour per week. Mandatory concerts are also part of the program. Students can arrange for rental or purchase of instrument through local music shop. (School will help facilitate this.) A limited number of instruments are available to borrow through the school on a needs basis.*

### **CONCERT BAND 12 - SENIOR**

**MU600S** Grade Level 12 Credits 4.000

*GENERAL INFORMATION-Students may provide their own instruments and miscellaneous equipment. Some instruments/equipment will be available through the school without fee on a needs basis. Students using school instruments will be limited in choice. Those who choose to have their own instrument may "rent to own" or purchase an instrument through retail music stores. The school will help facilitate this. This is a course for Grade 12 students who are at an advanced level. They must have had at least two years at the Intermediate level or have the director's permission to participate in this course. Instrumental Music 12: (Senior) provides a more challenging repertoire and greater emphasis on interpretation and musicianship. Students rehearse primarily during class time, but are expected to participate in weekly student-led rehearsals outside of class time, as well as in performances. Students are encouraged to participate in the annual spring field trip.*

### **DIRECTING & SCRIPT 12 -THEATRE PERFORMAN**

**TH640** Grade Level 12 Credits 4.000

*PREREQUISITE-Theatre Performance 11: Acting & enrollment in Theatre Performance 12: Acting. Admission to the course is based on the approval of the instructor.  
RECOMMENDATION-It is highly advisable that the student has taken a course in stagecraft or has done extensive extracurricular work. As well, the student should be able to work well independently. They must also be able to devote out-of-class time to their project work.  
COURSE CONTENT-A student learns to read and analyze scripts with the intention of production. This course requires the writing and directing of scenes and one act plays. The student learns the qualities of leadership and skills of cooperation with both staff and students. It is an excellent course in which to learn responsibility. This is an advanced theatre course.  
ASSIGNMENTS/ACTIVITIES-Will include reading and writing scripts for various media and directing scenes and projects.*

### **GUITAR 12 - INSTRUMENTAL MUSIC**

**MU630** Grade Level 12 Credits 4.000

*GENERAL INFORMATION-There are 4 Guitar Programme Levels: #1 (Beginner/never played the guitar before) #2 (Novice/has a good knowledge of open chords & can read music in the 1st position) #3 (Intermediate/has the ability to play barre chords & is competent at alternate thumb picking with open chords) #4 (Advanced/alternate thumb picking with barre chords & has a good understanding of scales in different modes). NOTE: Each block of Guitar (except Gr 8) will have Gr 9-12 & a variety of levels 1-4. Guitars are provided for all students. PREREQUISITE-This is a course for Gr 12 students wishing to study the guitar. Students will be placed in an appropriate level 3-4. COURSE CONTENT-Skills taught in reading chord charts, tablature, notes and rhythmic patterns; also strumming & picking patterns through the study of appropriate songs. Will learn to write their own songs and have the opportunity to perform for the class individually or in small groups and to record their own songs using multiple track computer software.*

### **GUITAR 12 - COMPOSITION & TECHNOLOGY**

**MU631** Grade Level 12 Credits 4.000

*TAKE THIS COURSE IF: You want to combine your love of playing music with digital media. If you are an aspiring artist or find yourself listening to the soundtrack during a movie or*

love visiting bands' websites, this is a natural fit. WHO CAN TAKE THIS COURSE? This is a course for intermediate or advanced grade 12 guitar players with a strong desire to learn all about sound recording and digital media. Students who have taken Guitar 11 (C&T) have the opportunity to build on their knowledge and experience to create more complex and professional projects. There will be a wide array of digital media projects; single and multi-track recordings, podcasts, music videos, live shows, creating jingles, movie soundtracks and more! Due to limited space, instructor approval is required.

## **CHORAL MUSIC 12: CONCERT CHOIR**

**MU620** Grade Level 12 Credits 4.000

(after school)

This course is designed for all students interested in developing their singing voice. Previous choral experience is helpful, but not required. Students will learn choral singing skills and basic music theory. They will learn to sing in a variety of genres such as: jazz, pop, folk, classical, musical theatre, etc. Students will be evaluated in the areas of performance, participation and musical proficiency (technique, style, etc.) Because the choir is performance-oriented, students are given the opportunity to perform in school concerts as well as to travel both locally and abroad to enrich their choral experience. There is no prerequisite course. THIS COURSE WILL BE OFFERED AFTER SCHOOL 2 DAYS PER WEEK. STUDENTS SHOULD SELECT THIS COURSE IN ADDITION TO THEIR 8 COURSES.

## **THEATRE PRODUCTION 11: Junior Stagecraft**

**TH520** Grade Level 11 Credits 4.000

*Technical Theatre I*

*Technical Theatre I - This is an excellent opportunity to learn about the goings on in Genesis Theatre. This course allows you to be part of all events that occur in the theatre. You will learn: lighting, sound, stage managing, how to create props, build sets, paint sets, rigging and many other beneficial skills. No experience necessary, just a passion to do lots of hands on learning and creating. This course runs outside the timetable once a week and is designed to be taken more than once. Students will be expected to crew in a number of shows.*

## **THEATRE PRODUCTION 12- Senior Stagecraft**

**TH620** Grade Level 12 Credits 4.000

*Technical Theatre II*

*Technical Theatre II - This course expands on skills gained in the junior years with the added bonus of connecting and working with professionals in community theatre. Students in this course are taught to be crew chiefs and take on a mentorship role in the program. Personal projects in an area of your choice are encouraged. This course runs outside the timetable once a week and can be taken more than once. Students will be expected to crew in a number of shows.*

## **THEATRE COMPANY 12**

**TH630** Grade Level 12 Credits 4.000

*ONLY GR 11 QUALIFIES AS FINE ARTS CREDIT*

*This course is an opportunity to be part of a cast of a scripted play. The creation and performance of a theatre production requires collaborative efforts of the entire company. In place of an extracurricular production, this course is offered outside the timetable 2 days a week after school with the time commitment increasing closer to show date. Students should select this in addition to their eight courses. They learn about the nature of a Theatre Company and the interconnected roles and responsibilities, both on stage and behind the scenes. Students are required to have a mature, committed and professional attitude towards the creative and rehearsal process and performance. By*

doing so they learn skills and attitudes necessary to perform within a Company, including valuable personal and interpersonal skills that they can apply in broader social and career contexts. Acceptance is by audition in early Spring (singing, acting and dancing). Pls note: Rehearsal demands increase closer to show date requiring increased attendance.

**BIOLOGY 12** **SC610** Grade Level 12 Credits 4.000

*PREREQUISITE*-Biology 11, minimum 67%. Chemistry 11 would be a benefit. *COURSE CONTENT*-Cell Biology: cell compounds, cell structure, biological molecules, DNA. Cell Processes and Applications: protein syntheses, transport across cell membranes, enzymes. Human Biology: digestive system, circulatory system, respiratory system, nervous system, urinary system, reproductive system. *ASSIGNMENTS/ACTIVITIES*-Assignments are given on a regular basis. As course content is demanding, students must be strong readers. A regular program of home study is essential to success in this course.

**CHEMISTRY 12** **SC620** Grade Level 12 Credits 4.000

*RECOMENDATION*-Minimum of 67% in Chemistry 11 with good work and study habits. *COURSE CONTENT*-The Chemistry 12 course contains the following topics: reaction kinetics, equilibrium, solubility of ionic substances, acids, bases and salts, oxidation - reduction. *ASSIGNMENTS/ACTIVITIES*-Assignments, homework and lab activities are assigned on a regular basis. A regular program of home review is advised for success in this course.

**PHYSICS 12** **SC630** Grade Level 12 Credits 4.000

*RECOMMENDATION*-Physics 12 is recommended as a follow-up Physics course suitable for students who have a particular interest in Physics, or who plan to continue in science or engineering. Students taking Physics 12 should have a strong academic background in Math 11 and Physics 11 and be taking Math 12 concurrently. *COURSE CONTENT*-Vector kinematics, vector forces in equilibrium, vector dynamics, energy and vector momentum, circular motion and gravitation, electrostatics, circuitry and electromagnetism. *ASSIGNMENT/ACTIVITIES*-Problem solving, lab work, quizzes and tests.

**COMPARATIVE CIV 12** **SS620** Grade Level 12 Credits 4.000

*COURSE CONTENT*-Comparative Civilization is a survey of the major historical periods which formed the beliefs and structures of man, from Early Stone Age to modern society. We study the music, art, literature and architecture of each major historical period. This course has an academic focus, while examining the foundations of major civilizations from around the world. It follows the Ministry of Education Integrated Resource Package prescribed learning outcomes, giving students an appreciation of a variety of cultures and their roots. A variety of teaching strategies are used to engage all learning styles.

**CRIMINOLOGY 12** **SS660** Grade Level 12 Credits 4.000

*COURSE CONTENT*-Criminology 12 is an introductory course on the study of crime, criminals and the penal system. The topics include: the causes of crime, biological, social and psychological theories of crime, the roles of police, the treatment of criminals and organized crime. *ASSIGNMENTS/ACTIVITIES*-Activities include court watching at the B.C. Supreme Court and various guest speakers. Assignments are designed to analyze current events, details of specific crimes and criminals and the application of legal defenses. Research, writing, critical thinking skills and the application of various

*theories are developed through a variety of assignments.*

**GEOGRAPHY 12** **SS650** Grade Level 12 Credits 4.000

*COURSE CONTENT-Geography 12 accommodates students that are on the path of Science or the Arts. Some university programs will accept Geo 12 as a science admission requirement. Geography 12 is the study of the physical, natural and human elements of the global environment. It is the study of earth science, vegetation and animal life, natural disasters, ecology and environmental studies, maps and air photo interpretation, resource management and case studies. A number of fieldtrips will be happening during the course including one to Whistler to observe the fantastic examples of volcanic and erosional action in our area.*

**HISTORY 12** **SS640** Grade Level 12 Credits 4.000

*COURSE CONTENT-This is a thematic course covering the major events and significant figures in the world from 1917-1991. Students will study the post WWI world, The Great Depression, WWII, the Cold War and subsequent years up to the fall of communism in Europe. ASSIGNMENTS/ACTIVITIES - Tests in this course will include paragraph questions and document-based questions.*

**LAW 12** **SS610** Grade Level 12 Credits 4.000

*COURSE CONTENT-This course is an introduction to Canadian Law emphasizing criminal and personal injury law. ASSIGNMENTS/ACTIVITIES-Assignments include role playing group projects and mock trial presentations. Students are expected to incorporate class work with current legal issues.*

**PSYCHOLOGY 11** **PS500** Grade Level 11 Credits 4.000

*It is strongly recommended students have a C+ or better in their Grade 10 academic subjects. This project based introductory course is designed to provide students with an understanding of the science of psychology. The course will provide an introduction to the history of psychology, developmental psychology, biopsychology, sensation, perception, learning and remembering, emotion, and abnormal psychology.*

**AUTOMOTIVE TECHNOLOGY 11** **IE540** Grade Level 11 Credits 4.000

*PREREQUISITE: None! RECOMMENDATION: Are you going to drive a car? Have you ever wondered what makes your car go or how to take care of it? Then this is the course for you! This course is for those who intend to operate cars, gain knowledge/experience and potentially save you money! Students will explore the basic parts of a car and get an appreciation of the need for regular preventative maintenance. This introductory course is a first step towards senior level Automotove studies. COURSE CONTENT: Areas covered include safe vehicle lifting, tire rotation, oil change/lube, cooling system care, brake inspections, tire changing/balancing, as well as an introduction to minor autobody repair. ASSIGNMENTS/ACTIVITIES: 50% Theory/50% Practical Theory happens during demonstrations then reinforced in the moment to aid students practicing for a particular practical exam. Open shop is held periodically after school to help students catch up, explore new areas or work on one of our unique and exciting drag racing vehicles!*

**AUTOMOTIVE TECHNOLOGY 12** **IE640** Grade Level 12 Credits 4.000

*PREREQUISITES: IE540 - AUTOMOTIVE TECHNOLOGY 11 (Recommended) RECOMMENDATION: This*

course is for anyone wishing to go into the Automotive trade or do any serious maintenance/repair on a car. Any serious hobbyist will find the knowledge and experience important and challenging. This course may also be taken as a credit for the Career Preparation/Work Experience Program. COURSE CONTENT: Areas covered may include engine operation and construction, transmission operations, clutches and differential operations and assembly. We take a brief look at the autobody area. In addition, we will look into the car and how it affects society. ASSIGNMENTS/ACTIVITIES: 33% Theory/67% Practical This course is project based and very student driven. Most of the shop time is unstructured providing students an opportunity to engage in work on a project that is meaningful to them. Example: Their own car, a family car, a friend's car, one of our shop projects (including our electric race vehicles). Some time may be spent on labs.

**AUTOMOTIVE TECHNOLOGY: IE641** Grade Level 12 Credits 4.000

**AUTOBODY REPAIR 12**

RECOMMENDED PREREQUISITES: IE540 - AUTOMOTIVE TECHNOLOGY 11 It is also recommended the student be enrolled in IE640-AUTOMOTIVE TECHNOLOGY 12. RECOMMENDATION: Would you like to know how to paint a car? How about airbrushing an exciting graphic like flames? This course is for any student wishing to augment knowledge of the automobile or pursue a career in the autobody paint/repair business. A serious hobbyist/restorer will also find it invaluable. May also be taken as a credit for the Career Preparation/Work Experience Program. COURSE CONTENT/ACTIVITIES: This course will cover the theory of autobody construction, damage analysis, repair and refinishing. Theory will be reinforced by practical demonstrations and time for the students to practice and engage in real world hands-on repairs that are project based and student driven. Some students may also get the opportunity to paint components of a car, motorcycle, or other individually engaging projects.

**AUTOMOTIVE TECHNOLOGY: IE642** Grade Level 12 Credits 4.000

**ENGINE & DRIVE TRAIN 12**

PREREQUISITE-Automotive Technology 11. It is also recommended that the student be enrolled in Automotive Technology 12. RECOMMENDATION: This course is for the serious student wanting to either tackle a high level project like a motor/transmission/differential rebuild or looking to get into the trade, pursuing a career in and becoming an Automotive Service Technician. If the student is planning on a high level project, extra shop time is strongly recommended (taking more than one block). This course can also be taken as a credit for the Career Preparation/Work Experience Program. COURSE CONTENT: This course will run into greater detail on operations of the engine and its drivetrain. This will give students a much more in depth view of various engine types. Special areas such as pollution control and various testing equipment will also be covered. ASSIGNMENTS/ACTIVITIES: There are no major assignments in this course, although some labs focusing on an active project may be introduced at the discretion of the instructor.

**CARPENTRY & JOINERY: IE611** Grade Level 12 Credits 4.000

PREREQUISITE: IE513 - Carpentry & Joinery 11. Carpentry & Joinery 12 must be taken concurrently as part of the Career Preparation Program. RECOMMENDATION: Carpentry & Joinery 12 follows the Grade 11 course and is recommended for those with an interest in woodworking and would like to learn more about basic house construction. This course meets the Applied Skills Foundation Studies requirement. COURSE CONTENT: Carpentry & Joinery 12 continues to provide the students with the opportunities to deepen their knowledge, skills and attitudes in this area as a preparation for a career or special

interest. They will learn safety, problem solving and personal skills that can be helpful in many endeavours. **ASSIGNMENTS/ACTIVITIES:** Students in this course build a major construction project such as a small house, shop, or other related project in the school compound. That structure is then transported to the site and erected at the end of the school year.

**CARPENTRY & JOINERY:** **IE612** Grade Level 12 Credits 4.000

*RESIDENTIAL CONSTRUCTION 12*

**PREREQUISITE:** Carpentry & Joinery 11. Must be taken concurrently with Carpentry & Joinery 12 or with instructor's special permission. Required for Career Preparation Program for Carpentry. **RECOMMENDATION:** Recommended for students with interest in learning more about house construction. This course meets the Applied Skills requirement and better equips students for post-secondary education or an apprenticeship in construction. **COURSE CONTENT:** Follows and builds upon work done in Carpentry & Joinery 12. Emphasis is on house construction, allowing students more time to work on specialized areas of the construction of the major project. **ASSIGNMENTS/ACTIVITIES:** Students will continue working on the housing project or a major project to that effect. With involved processes in framing, stairs, windows and doors, the project comes together to a fully functional structure that will be erected on site.

**CARPENTRY & JOINERY 12** **IE613** Grade Level 12 Credits 4.000

*CABINET CONSTRUCTION*

**PREREQUISITE-**Can be taken only with the successful completion of Carpentry & Joinery 11. It must be taken concurrently with Carpentry & Joinery 12 or with special permission obtained from the instructor. It is required as part of the Career Prep Program for Carpentry & Joinery. **RECOMMENDATION-**Those who wish to learn more about building cabinets in shop, those considering woodworking (of any type) as a career, and for those planning to enter a construction program at a post-secondary institution or apprenticeship in the construction trades. It can be used to meet the Applied Skills. **COURSE CONTENT:** Additional exposure to the construction shop is the emphasis of the course. Proper and advanced uses of machine tools and processes in regards to fine woodworking, finishing carpentry and cabinet construction. A variety of finishes will be explored including spraying on water based coatings to make projects look of very high quality! **ASSIGNMENTS/ACTIVITIES:** Real world skills generated through student led projects.

**DRAFTING & DESIGN 11** **IE520** Grade Level 11 Credits 4.000

**RECOMMENDATION-**Students taking any technical or industrial education course or those interested in engineering, design and manufacturing. This course will support the reading or drawing of plans used in such diverse areas as wood and metal construction, mechanics, electronics, graphics and textiles. **COURSE CONTENT-**This is an introductory course for students who have little or no experience with manual drafting or CAD (Computer Assisted Drafting), 2D and 3D design - but have a desire to learn. Using 3D software - design and model an object on computer - then print the model on our 3D printer.

**DRAFTING & DESIGN 12** **IE620** Grade Level 12 Credits 4.000

No PreRequisite required - Drafting & Design 12 is a course that will interest students who wish to increase their knowledge of art skills with drawing and designing of manufactured products. Working with computers within a CADD (Computer Assisted Drafting & Design) in a 2D and 3D design world. ACAD, Blender, Slulptris, Sketchup and other

software will be explored. *COURSE CONTENT* - This course will provide opportunity to investigate any techniques used to communicate graphically in industry. Modules include use of scales, linetypes, geometry, views, dimensioning, freehand sketching and rendering, perspective, sections and conventions. Model making may also be explored. Using 3D software - design and model an object on computer - then print the model on our 3D printer.

**DRAFTING & DESIGN:**

**IE621** Grade Level 12 Credits 4.000

*ENGINEERING & MECHANICAL DRAFTING 12*

*RECOMMENDATION*-Engineering & Mechanical Drafting is recommended to students wanting to improve their skills in drafting with a focus on mechanical/engineering drawings. Computer Assisted Drafting, Auto Cad and other software will be used in this course. Those who may want to pursue a career in the multi-level use of engineering drawings within industry will benefit from this course. *COURSE CONTENT*-Engineering & Mechanical Drafting will build on drafting and design fundamentals learned in Drafting & Design 11. It will provide opportunity to master many techniques used to communicate graphically throughout industry. Modules include: use of scales, line types, geometry, views, dimensioning, grid system, auxiliary and section views. Freehand sketching/rendering, developments, and perspective. *ACTIVITIES*-Students complete a series of assignments in accordance with the National Drafting Core. A major emphasis will be on increasing computer skills using our high level CAD lab.

**DRAFTING & DESIGN:**

**IE622** Grade Level 12 Credits 4.000

*ARCHITECTURE & HABITAT DESIGN 12*

*RECOMMENDATION*-If relationship between form, function and structure interests you, welcome to Drafting & Design 12: Architecture & Habitat Design. *COURSE CONTENT*-This course looks at architectural styles and cultural influences related to various architectural designs. Students evaluate role of climate and location, structural materials and systems and building technologies in various cultures and time periods. *ACTIVITIES*-Students will apply design sketching and rendering techniques in communicating design ideas. This will evolve through appropriate techniques, symbols and conventions to prepare a set of working drawings of their habitat design. Projects are completed as 2D & 3D representations with Camera Walkthrough as 3D CGI. Emphasis will be placed on the use of Computer Assisted Drafting & Design (CADD) with various graphic software programs, including 3D Blender.

**METAL FAB & MACHINE 11**

**IE550** Grade Level 11 Credits 4.000

*PREREQUISITES:* None! *COURSE CONTENT:* Metal Fab and Machining 11 is a fun course where you learn the most common processes of modifying metals. In our well-equipped and clean Metal Shop, we will use processes like machining on the Lathes and milling Machines, MGAW and Stick Welding, Brazing, Sand Casting, Sheet Metal forming, and light CNC (computerized) machining. Students will integrate several processes on any particular project as they work their way through the shop and the year! *ASSIGNMENTS/ACTIVITIES:* Students will produce projects like Sheet Metal Tool boxes. Lathe-turned Whistles, Welded Flower Pot Stand or Wheel Chocks, Lost Styrofoam Casting of their own design, a light CNC Machining project (among others) and a final project students develop and build. The final project will incorporate most of the processes in the shop, showcasing their skills and knowledge gained throughout the year. Paper Assignments consist largely of Safety worksheets, tests for each process and design work for the projects envisioned.



## **METAL FABRICATION & MACHINING 12**

**IE650** Grade Level 12 Credits 4.000

*PREREQUISITE: None! COURSE CONTENT: Metal Fab and machining 12 teaches several processes for working with metals. In our well-equipped Metal Shop, we use processes like machining on the Lathes and Milling Machines, MGAW and Stick Welding, Brazing, Sand Casting, Sheet metal forming and light CNC (computerized) machining.*

*ASSIGNMENTS/ACTIVITIES: Students build several Skill Building projects throughout the year such as Cast Aluminum C-Clamp, Soft-Faced Hammer and Foot Stool. They progress to a Term 3 Project combining many processes in the shop. Students in their second year of Metal Work might be grouped for larger projects like Go Karts, Mini Bikes, Bicycle Trailers, etc. We encourage real-life applications for the processes taught such as shoe racks, lift kits, bike carriers, wine racks, grappling hooks, chin-up bars, and almost anything else you can imagine being made out of metal! We apply the processes learned in fun, useful and challenging real-life projects to last a lifetime.*

## **WOODWORK TECHNOLOGY 11**

**IE510** Grade Level 11 Credits 4.000

*PREREQUISITES: None! RECOMMENDATION: This is a continuation of the Woodworking 9 and 10 courses and is recommended for students wishing to design and produce higher level projects; more advanced woodworking or to continue to hone their knowledge of the safe and correct operation of a wider variety of woodworking equipment. COURSE CONTENT: This course may demand student generated design. Students will become familiar with wood types and properties, construction techniques and the proper design elements necessary to realize their ideas. Is there something you'd really like to build? Come and talk to the instructor about it! ASSIGNMENTS/ACTIVITIES: Two or more works will be assigned to introduce project design and the equipment necessary for production. A major activity may be initiated by the student. More latitude may be given to suit individual desires, needs and aptitudes. Higher level projects have included a grandfather clock, complex and stunning dining room tables and large cabinet projects.*

## **WOODWORK TECHNOLOGY 12**

**IE610** Grade Level 12 Credits 4.000

*PREREQUISITES: None! RECOMMENDATION: This is a continuation of the Woodworking 9 & 10 courses for students wishing to design and produce higher level projects; and valuable to those wishing to pursue more advanced woodworking or would like to continue to hone their knowledge of the safe and correct operation of a wider variety of equipment. COURSE CONTENT: This course may demand student generated design. Students will become familiar with wood types and properties, construction techniques and the proper design elements necessary to realize their ideas. Is there something you'd really like to build? Come and talk to the instructor about it! ASSIGNMENTS/ACTIVITIES: Two or more works will be assigned to introduce project design and equipment necessary for production. A major activity may be initiated by the student. More latitude may be given to suit individual desires, needs and aptitudes. Higher level projects have included a grandfather clock, complex and stunning dining room tables and large cabinet projects.*

## **ART FOUNDATIONS 11**

**AR500** Grade Level 11 Credits 4.000

*Only to be taken by course teacher approval.*

*This is an individualized program for students who are also enrolled in Grade 11 courses in Art and require more time to pursue their passion for art and/or photography. Students in Foundations are serious about art and independently work on projects and assignments that may lead to an entrance portfolio for an art/design school of choice. This*

*independent course of study must be approved by the supervising teacher.*

## **ART FOUNDATIONS 12**

**AR600** Grade Level 12 Credits 4.000

*Only to be taken by course teacher approval. (May be taken in addition to AR500-Art Foundations 11.)*

*This is an individualized program for students who are also enrolled in Grade 11 courses in Art and require more time to pursue their passion for art and/or photography. Students in Foundations are serious about art and independently work on projects and assignments that may lead to an entrance portfolio for an art/design school of choice. This independent course of study must be approved by the supervising teacher.*

## **CERAMIC & SCULPTURE 11 - STUDIO ARTS**

**AR530** Grade Level 11 Credits 4.000

*This course continues to build skills, a knowledge base and context relating to ceramics and sculpture. The basic course explores the world of 3D design and sculpture through paper mache, cardboard, found object construction and small clay projects. Enhanced projects include the use of glass and metal and include glass bead making, stained glass, glass fusing, mosaics and larger clay projects.*

## **CERAMICS & SCULPTURE 12 - STUDIO ARTS**

**AR630** Grade Level 12 Credits 4.000

*COURSE CONTENT-This course continues to build skills, a knowledge base and context relating to ceramics and sculpture. Individual programs that explore personal image development are encouraged. The basic course explores the world of 3D design and sculpture through paper mache, cardboard, found object construction and small clay projects. Enhanced projects include the use of glass and metal and include glass bead making, stained glass, glass fusing, mosaics and larger clay projects.*

## **DRAWING & PAINTING 11 - STUDIO ARTS**

**AR520** Grade Level 11 Credits 4.000

*PREREQUISITE-Students should have successfully completed an art course at the Grade 9 or 10 level or by permission of the instructor. COURSE CONTENT-This course continues to explore drawing and painting through a multitude of mediums and processes. Draw with bamboo reeds and ink, use conte and smudge sticks, experiment with compressed charcoal and kneadable erasers. Consider the optics and emotional reactions to colour. Explore acrylic, oil and water colour paint. Push your image development to new limits. Look and ponder at the wonderful artists and traditions in art history. ASSIGNMENTS-A sampling of assignments includes painting the landscape in the style of the Group of Seven. Discover the fun of the portrait while delving into pattern and texture. Hone your skills in perspective drawing while painting small scale buildings, planes, trains and automobiles. Combine text and image together to make social commentary.*

## **DRAWING & PAINTING 12 - STUDIO ARTS**

**AR620** Grade Level 12 Credits 4.000

*PREREQUISITE-Students should have successfully completed Studio Arts 11: Drawing and Painting 11. COURSE CONTENT-This course continues to build upon the foundations of drawing and painting that has been constructed in Grade 11. Emphasis will continue to be placed on skill building and students will have opportunities for self study. Find your passion and feed it through your commitment to excellence. ASSIGNMENTS-Study Picasso and create a cubist portrait. Learn to analyze and try painting like your favourite artist. Refine your understanding of drawing the figure through studying bones and muscle. Try drawing like Leonardo. Play with shadow and light like the surrealist Magritte. Push yourself through self-directed learning.*

## **PRINTMAKING/GRAPHICS 12-PHOTOGRAPHY**

**AR651** Grade Level 12 Credits 4.000

*"Photography takes an instant out of time, altering life by holding it still." Dorothea Lange*

*This course will expand on processes learned in Photography 11. Students will learn how to work with multiple exposures and textures. Students will work with exciting processes like capturing water the moment an object is dropped into it, or the beautiful, organic quality of smoke. Students will continue their learning about studio lighting and how to take glamour and beauty shots. Capturing motion will be explored in greater detail in a process called shutter drag. Students will also learn the close association between studio lighting and cinematic lighting. Self directed projects will be cultivated as students create a body of thoughtful creative work. Digital photography will be explored in great detail through photoshop as well as some analogue and darkroom work.*

## **MEDIA ARTS 11-PHOTOJOURNALISM**

**AR552** Grade Level 11 Credits 4.000

*PREREQUISITE-Basic working knowledge of digital cameras and photograph techniques.*

*RECOMMENDATION-Do you enjoy telling stories through photographs? This is a hands-on class focusing on the technical and creative skills needed to produce images that tell stories for newspapers, magazines, websites and specifically the DSS yearbook!*

*COURSE CONTENT-This course is about capturing all the events, highlights, memories and everyday life of DSS students throughout the year. Students will learn about taking candid, event and action photos and preparing them for print, as well as the theory and techniques for creating professional quality layouts. Interpersonal skills and teamwork are paramount, as working closely with the yearbook production team is essential. This course is recommended for students wishing to be part of the yearbook team in Grade 12.*

## **MEDIA ARTS 12-PHOTOJOURNALISM**

**AR652** Grade Level 12 Credits 4.000

*PREREQUISITE-Visual Arts 11 or basic working knowledge of digital cameras and photograph techniques. This course is for students enthusiastically interested in taking photographs for the DSS Yearbook. Those who have already completed Visual Arts 11, there is the opportunity to take on a leadership and organizational role. This course is about capturing all the events, highlights, memories and everyday life of DSS students throughout the year. Students will learn about taking candid, event and action photos and preparing them for print, as well as the theory and techniques for creating professional quality layouts. Interpersonal skills and teamwork are paramount as working closely with the yearbook production team is essential.*

## **YEARBOOK DESIGN 12**

**AR653** Grade Level 12 Credits 4.000

*PREREQUISITE-The production of the yearbook requires students from many different disciplines: photography, graphic design and media arts; business education, desktop publishing, marketing and journalism. Students must be self-motivated and be able to work well with others. Yearbook Production is strongly recommended as it is a unique opportunity. No other course offers the experience and the prestige of producing a book that will create memories for a lifetime. The DSS yearbook has an award winning tradition of creative and professional design. Crew members must be able to work in group situations under real-world deadlines. The yearbook is a lot of work, but it is also one of the most rewarding high school experiences. Course content includes theme theory and creations; yearbook layout design (manual and InDesign); photography and photo-correction for print; image creation using Illustrator and photoshop; creative writing and proofing; marketing and advertising; plus time,*

*file and people management skills.*

## **APPRENTICESHIP & WORKPLACE MATH 11**

**MA510** Grade Level 11 Credits 4.000

*PREREQUISITE-Successful completion of Apprenticeship & Workplace Math 10, or Foundations & Pre-Calculus Math 10 with teacher recommendation. COURSE CONTENT-This course completes the Math requirements for graduation and provides students with basic Math skills they will need to gain employment after graduation. Students who wish to go on to pursue a career in the trades should look at educational requirements for post-secondary institutions as some programs require Foundations of Math 11. Surface area and volume problems involving both imperial and metric measurements, application of trigonometry to solve real-life problems, understanding and solving problems that involve scale, modeling and drawing 3D objects, solving problems involving personal budgets, understanding bank accounts, debit and credit cards and compound interest and loans. Demonstrating an understanding of slope and rates of change, Applying proportional reasoning and solving problems using unit analysis, creating and interpreting graphs to analyze data.*

## **BIOLOGY 11**

**SC510** Grade Level 11 Credits 4.000

*COURSE CONTENT-This course is a survey of the diversity of life on earth. Students study a variety of organisms to learn about the evolution of life on earth and the earth's ecology. Students are introduced to a variety of biological skills and scientific processes. Core topics include: Adaptation and Evolution, Classification, Microbiology, Fungal Biology, Plant Biology and Animal Biology. ASSIGNMENTS/ACTIVITIES-Variety assignments, questions and lab activities are assigned and completed for homework if necessary. In addition regular home study is required.*

## **CHEMISTRY 11**

**SC520** Grade Level 11 Credits 4.000

*Chemistry 11 is a course required for many Science and Health Science fields. Students taking this course should have a strong background in Math and be taking Math 11 concurrently. Course content will include lab safety, properties of substances, introduction to inorganic naming, the mole concept, chemical reactions, atomic structure, introduction to bonding, solution chemistry and organic chemistry. Evaluation will be based on assignments, homework, lab activities which are assigned on a regular basis as well as a test on each unit. A regular program of home review is advised for success in this course.*

## **CIVIC STUDIES 11**

**SS501** Grade Level 11 Credits 4.000

*COURSE CONTENT-Civic Studies 11 is a four credit course, with a Provincial Exam. It can be taken instead of Social Studies 11 or concurrently with Social Studies 11. The curriculum for the course will cover informed Citizenship (which includes government, roles of individuals in society, our rights and responsibilities, Canadian politics, Canadian law, international law and human rights.) The course will also examine Civic Deliberation (including fundamental principles of democracy, decision making, ideologies, political parties and Canada's role in international issues). Finally, Civic Studies will study Civic Action (where students take positions on issues, examine a range of processes of civic action to better understand how they operate in society and understand the various mechanisms for public involvement.) Discussion and debate are encouraged in this course.*

## ENGLISH 11

**EN500** Grade Level 11 Credits 4.000

*This senior course consists of language study and literature. In language, the emphasis is on writing many different types of essays, including the formal literary essay. In literature, the emphasis is on studying essays, short stories, poetry and novels. The drama section includes one Shakespearean play. Students will be required to use critical thinking skills to express themselves knowledgeably on the various aspects of literature. Assignments and activities include reading a variety of styles. They can also include written projects, oral presentation, quizzes and tests.*

## FOUNDATIONS OF MATH 11

**MA500** Grade Level 11 Credits 4.000

*PREREQUISITE-Students taking this course must successfully complete Foundations & Pre-Calculus Mathematics 10. COURSE CONTENT-This course completes the Mathematics 11 requirements for Graduation. This course is a prerequisite for Foundations of Mathematics 12 and is designed to prepare students for post secondary studies which do not require Calculus. Students completing only this course, Foundations of Mathematics 11, will not be able to take Pre-Calculus 12 without also successfully completing Pre-Calculus 11. In this course students will develop proportional, logical, statistical, algebraic, graphical and spatial reasoning skills, and develop an appreciation for the role of mathematics in society. Some students may find that the use of graphing technology (iPad, iTouch, iPhone, II-83 or 84 or some kind of smart phone that can download a FREE graphing calculator) will improve their understanding of the math concepts.*

## PHYSICS 11

**SC530** Grade Level 11 Credits 4.000

*RECOMMENDATION-Physics 11 is recommended for all students who wish to pursue academic studies or career training in scientific, technical and medical fields. Students taking Physics 11 should have a strong math background. Math 11 should be taken concurrently. COURSE CONTENT-Kinematics in one dimension, dynamics in one dimension, mechanical and heat energy, nuclear physics, wave motion and optics. ASSIGNMENTS/ACTIVITIES-Lab work, problem solving, special projects, quizzes and tests.*

## SCIENCE & TECHNOLOGY 11

**SC560** Grade Level 11 Credits 4.000

*RECOMMENDATION-Science Technology is suitable for students who are less interested in traditional laboratory-based Science courses. This course focuses on issues and new innovations rather than theory and laboratory work. This course does not satisfy the science requirements for Post Secondary Institutions. In this course students gain current knowledge in a selection of the following core areas: Agriculture, Applied Chemistry, Computers and Communication, Forensics, Health, Home and Technology, Natural Resources and the Environment, Personal Technologies, Space Exploration and Transportation.*

## SOCIAL STUDIES 11

**SS500** Grade Level 11 Credits 4.000

*COURSE CONTENT-The focus of Socials 11 is the study of 20th Century Canadian history. Units on Canadian government, politics and law, and on human geography are also studied. This course emphasizes the analysis of historical trends and the impact of global interdependence. ASSIGNMENTS/ACTIVITIES-Assignments to develop research, writing and critical thinking skills are given. Essay writing is emphasized. Students participate in mock election debates and do PowerPoint presentations. Students will be preparing for the Social Studies 11 Provincial Exam that will be worth 20% of their final mark.*

**APPRENTICESHIP & WORKPLACE MATH 10** **MA410** Grade Level 10 Credits 4.000

*PREREQUISITE*-Successful completion of Essentials of Math 9, or recommendation from the Math 9 teacher, based on completion of Math 9 with a minimally passing grade.

*COURSE CONTENT*-This course is designed to teach students the basic Math skills needed for the home and the workplace. A Provincial Exam worth 20% of the final mark must be written by all students at the end of this course.

**ENGLISH 10** **EN400** Grade Level 10 Credits 4.000

Speaking, listening, reading, writing, and critical thinking skills continue to be the foundational pillars of this course. The literature component covers short stories, novels, drama and poetry. Writing skills, vocabulary development and reading comprehension are emphasized in the language component. Along with narrative, descriptive and expository paragraph writing, formal expository essay writing is reviewed. A Provincial Exam worth 20% of the final mark must be written by all students in this course. Assignments and activities may include written projects, quizzes and tests related to literature topics covered and as a preparation for the Provincial Exam.

**FOUNDATIONS & PRE-CALCULUS MATH 10** **MA400** Grade Level 10 Credits 4.000

*PREREQUISITE*-Successful completion of Math 9 (with a recommended minimum mark of C+), or with the recommendation from the Math 9 teacher.

*COURSE CONTENT*-This is the common Mathematics 10 course which leads into Foundations of Mathematics and the Pre-Calculus pathways at the Grade 11 level. By the end of this course, students will be better equipped to select the appropriate mathematics course(s) (Foundations 11/12 and/or Pre-Calculus 11/12) for their future career paths in Arts, Business, Science, or Applied Sciences. This course will move at a steady pace requiring regular work and concentrated study to be successful. A Provincial Exam worth 20% of the final mark must be written by all students at the end of this course.

**FRENCH 10** **LA400** Grade Level 10 Credits 4.000

*COURSE CONTENT*-This is a comprehensive course which uses the communicative programme *Ca Marche 3*. Students interact daily in French. The language is brought closer to students by using familiar themes. Cultural and reading materials are incorporated into this course. Listening activities include situations and modern French music to which adolescents can relate.

**PHYSICAL EDUCATION 10** **PE400** Grade Level 10 Credits 4.000

Course consists of an activity program involving skill development, conditioning and fitness with a strong emphasis on the affective domain. The affective domain includes the characteristics of: responsibility, cooperation, sportsmanship, attitude and leadership that are essential to success in this course. Students will be evaluated on a daily basis. Activities include: Active health, badminton, basketball, dance, First Aid/CPR course, fitness activities, football, minor games, rugby, softball, tennis, volleyball, weight training and badminton. Enhancement: Golfing (driving range)

**SCIENCE 10** **SC400** Grade Level 10 Credits 4.000

This course is a required course. Topics include - Sustaining Earth's Ecosystems, Chemical Reactions and Radioactivity, Study of Motion, and Energy Transfer in Natural Systems. Science 10 has a mandatory Provincial Exam that accounts for 20% of the final

grade.

**SOCIAL STUDIES 10** **SS400** Grade Level 10 Credits 4.000

*This course surveys the early history of Canada from 1815-1914. Identity, society, and culture, as well as governance are studied. Units on the economy and the environment of Canada are also included. ASSIGNMENTS/ACTIVITIES - Assignments developing research, writing and critical thinking skills are completed.*

**DANCE 12: PERFORMANCE - DANCE ACADEMY** **DA600** Grade Level 12 Credits 4.000

*- BLOCK C&D - MALES & FEMALES*

*This academy, co-ordinated by DSS teacher Rebecca Salton, offers students the opportunity to work with Jyla Davis, Tanner Plecas and Melissa Pribula. Three very accomplished local dancers. Students will be exposed to many forms of dance to enhance their passion for dance and to further develop their technical skills in choreography and performance. Placement by audition in beginner, intermediate and advanced. See the website for information and transportation to and from Delta Secondary:  
web.deltasd.bc.ca/content/programs/academies (2 block program every other afternoon)*

**LACROSSE 12 (Superfit)-BLK C&D-Co-Ed** **LC600** Grade Level 12 Credits 4.000

*This academy offers students an excellent opportunity to further develop their lacrosse skills and core fitness during the school day. Coached by Josh Neumann, an accomplished field lacrosse player/coach and certified personal trainer; and John Hannah, a former New West Salmonbellies player/coach. College recruitment opportunities to be arranged. (2 block program every other afternoon) See website for application and information on bus transportation to and from Delta Secondary:  
web.deltasd.bc.ca/content/programs/academies*

**OPERA 12 - BLOCKS G & H** **OP600** Grade Level 12 Credits 4.000

*Designed for students who love theatre and music - this Academy will offer students the opportunity to write their own Opera and present it at Vancouver Opera's Opera Festival. Students will study voice, acting and script/score writing. Students will have the opportunity to attend dress rehearsals, go back stage, and will have access to master teachers and classes. Students will have opportunities for apprenticeship programs. Students will participate in the Vancouver Opera Festival. (2 block program, every other afternoon) For program fees, application form and transportation information go to deltaacademies.ca*

**SOFTBALL 12 - BLOCKS C & D - FEMALE** **SB600** Grade Level 12 Credits 4.000

*This academy is designed to improve individual softball skills during the school day. Come out and train with professional coaches! Students attend Delta Secondary every other afternoon to participate in the Softball Academy. Facilities: Hawthorne Softball Diamond, Brandrith Batting Cage, South Delta Recreation Centre. This academy is open to all female students, grades 8-12. 2 blocks softball in 8 block schedule. 8 credits/year (for PE and Science of Sport and Nutrition and/or Superfit). For program fees, application form and transportation information go to deltaacademies.ca*

**BASEBALL-SANDS-BLOCK G&H SECTION 1&2** **BBALL** Grade Level Credits

*Grade 8-12 Males & Females Students in this academy are coached by legendary John Haar, former National team coach, and Assistant Coaches Wayne Corness, and Bob Burkmar. Teacher*

*Coordinator, Kevin Dalgetty, also assists with coaching. Students are offered the opportunity to develop and refine their baseball skills throughout the entire school year. (2 block program every other afternoon)*

**BASEBALL-SANDS-BLOCK G&H SECTION 1&2**                      **BBALL**    Grade Level                      Credits

*Grade 8-12 Males & Females Students in this academy are coached by legendary John Haar, former National team coach, and Assistant Coaches Wayne Corness, and Bob Burkmar. Teacher Coordinator, Kevin Dalgetty, also assists with coaching. Students are offered the opportunity to develop and refine their baseball skills throughout the entire school year. (2 block program every other afternoon)*

**FILM ACTING-DMEC-BLOCK C&D-SEC 1&2**                      **FILMAC**    Grade Level                      Credits

*Grade 8-12 Males & Females  
This academy is designed for aspiring young film and television actors who want to develop, advance and refine their acting skills. Ideal for students planning to pursue a career in the film acting industry. Instructors include SDSS Drama teacher Jennifer Harbott, local actor Richard Cox, voice specialists Tracy Neff and Carole Davis; and special guest acting and movement/yoga instructors. See the website for information on bus transportation to and from The Studio. (2 block program every other afternoon)*

**FILM ACTING-DMEC-BLOCK C&D-SEC 1&2**                      **FILMAC**    Grade Level                      Credits

*Grade 8-12 Males & Females  
This academy is designed for aspiring young film and television actors who want to develop, advance and refine their acting skills. Ideal for students planning to pursue a career in the film acting industry. Instructors include SDSS Drama teacher Jennifer Harbott, local actor Richard Cox, voice specialists Tracy Neff and Carole Davis; and special guest acting and movement/yoga instructors. See the website for information on bus transportation to and from The Studio. (2 block program every other afternoon)*

**FILM PRODUCTION-DMEC-BLK C&D-SEC 1&2**                      **FILMPR**    Grade Level                      Credits

*GRADE 8-12 MALES & FEMALES  
Coordinated by SDSS Drama teacher Jenn Harbott, this academy is designed for aspiring young film, television and documentary makers interested in learning the artistic and technical aspects of pre-production, production and post-production from leading industry professionals. Ideal for students planning to pursue a career in the film and television industry. (2 block program every other afternoon at SDSS) For information and application see: [web.deltasd.bc.ca/content/programs/academies](http://web.deltasd.bc.ca/content/programs/academies)*

**FILM PRODUCTION-DMEC-BLK C&D-SEC 1&2**                      **FILMPR**    Grade Level                      Credits

*GRADE 8-12 MALES & FEMALES  
Coordinated by SDSS Drama teacher Jenn Harbott, this academy is designed for aspiring young film, television and documentary makers interested in learning the artistic and technical aspects of pre-production, production and post-production from leading industry professionals. Ideal for students planning to pursue a career in the film and television industry. (2 block program every other afternoon at SDSS) For information and application see: [web.deltasd.bc.ca/content/programs/academies](http://web.deltasd.bc.ca/content/programs/academies)*

**GOLF-SEAQUAM-BLOCK G&H-SECTION 1&2**                      **GOLF**            Grade Level                      Credits

*GRADE 8-10 MALES & FEMALES*



*This academy, co-ordinated by Seaquam teacher Bryce Hamade, offers two program options to meet the needs of golfers from beginner to elite. CPGA coaches include Chris Lutes and Rob Houlding; as well as BCGA strength and conditioning coach Lindsay Manion. Program includes membership at Surrey, Willows Nine and Delta golf courses, plus up to 6000 range balls. (2 block program every other afternoon) See the website for further details:  
web.deltasd.bc.ca/content/programs/academies*

**GOLF-SEAQUAM-BLOCK G&H-SECTION 1&2**                      **GOLF**      Grade Level                      Credits

*GRADE 8-10 MALES & FEMALES*

*This academy, co-ordinated by Seaquam teacher Bryce Hamade, offers two program options to meet the needs of golfers from beginner to elite. CPGA coaches include Chris Lutes and Rob Houlding; as well as BCGA strength and conditioning coach Lindsay Manion. Program includes membership at Surrey, Willows Nine and Delta golf courses, plus up to 6000 range balls. (2 block program every other afternoon) See the website for further details:  
web.deltasd.bc.ca/content/programs/academies*

**GOLF-TSA SPRINGS GOLF CLUB-BLOCK C&D**                      **GOLFTS**      Grade Level                      Credits

*SEAQUAM/DMEC GRADE 8-12 MALES & FEMALES*

*(Applications to Seaquam Secondary) This academy, co-ordinated by Seaquam teacher Bryce Hamade, offers two program options to meet the needs of golfers from beginner to elite. Twenty full swing lessons with CPGA coach Chris Lutes as well as golf specific fitness sessions. Program includes membership at Tsawwassen Springs Golf, plus unlimited range balls during academy time. (2 block program every other afternoon) See website for application and information: web.deltasd.bc.ca/content/programs/academies*

**GOLF-TSA SPRINGS GOLF CLUB-BLOCK C&D**                      **GOLFTS**      Grade Level                      Credits

*SEAQUAM/DMEC GRADE 8-12 MALES & FEMALES*

*(Applications to Seaquam Secondary) This academy, co-ordinated by Seaquam teacher Bryce Hamade, offers two program options to meet the needs of golfers from beginner to elite. Twenty full swing lessons with CPGA coach Chris Lutes as well as golf specific fitness sessions. Program includes membership at Tsawwassen Springs Golf, plus unlimited range balls during academy time. (2 block program every other afternoon) See website for application and information: web.deltasd.bc.ca/content/programs/academies*

**SOCCER ACADEMY-SDSS**    **SOCCER**      Grade Level                      Credits

*BLOCKS A&B(Girls) G&H(Boys) GRADES 8-10*

*Coached by Vancouver 86'ers FC player and South Delta teacher Stephen Burns, and Assistant Coach Paul Bahia, Niko Marcina, Martin Bittingl and Andy Singh. This program offers outstanding skill development opportunities to soccer players with a passion and commitment to improve their skills and abilities. (2 block program every other morning) For application go to: web.deltasd.bc.ca/content/programs/academies*

**SOCCER ACADEMY-SDSS**    **SOCCER**      Grade Level                      Credits

*BLOCKS A&B(Girls) G&H(Boys) GRADES 8-10*

*Coached by Vancouver 86'ers FC player and South Delta teacher Stephen Burns, and Assistant Coach Paul Bahia, Niko Marcina, Martin Bittingl and Andy Singh. This program offers outstanding skill development opportunities to soccer players with a passion and commitment to improve their skills and abilities. (2 block program every other morning) For application go to: web.deltasd.bc.ca/content/programs/academies*

**SOCCER ACADEMY-SANDS SECONDARY**

**SOCCR** Grade Level Credits

*BLOCK C&D - MALES & FEMALES*

*Coached by Martin Bittingl, a former professional player from the Czech Republic and Niko Marcina, a former player with UBC Men's team. The program offers outstanding skill development opportunities to soccer players with a passion and commitment to improve their skills and abilities. (2 block program every other afternoon)*

**SOCCER ACADEMY-SANDS SECONDARY**

**SOCCR** Grade Level Credits

*BLOCK C&D - MALES & FEMALES*

*Coached by Martin Bittingl, a former professional player from the Czech Republic and Niko Marcina, a former player with UBC Men's team. The program offers outstanding skill development opportunities to soccer players with a passion and commitment to improve their skills and abilities. (2 block program every other afternoon)*

**SOFTBALL-SEAQUAM**

**SBALL** Grade Level Credits

*BLOCK G&H - GRADE 8-12 - FEMALES*

*Coached by former Venezuelan Womens' Head Coach and former Canadian National Assistant Coach Kim Wright, and 20 year National Team Coach Ron Clarke. Teacher Co-ordinator, Amy Serres, also assists with coaching. This academy offers players the opportunity to develop their softball skills/talents and strength/conditioning throughout the entire school year. Visit the website for information on bus transportation to Seaquam from South Delta (Ladner & Tsawwassen). (2 block program every other afternoon) For information and application go to: [web.deltasd.bc.ca/content/programs/academies](http://web.deltasd.bc.ca/content/programs/academies)*

**SOFTBALL-SEAQUAM**

**SBALL** Grade Level Credits

*BLOCK G&H - GRADE 8-12 - FEMALES*

*Coached by former Venezuelan Womens' Head Coach and former Canadian National Assistant Coach Kim Wright, and 20 year National Team Coach Ron Clarke. Teacher Co-ordinator, Amy Serres, also assists with coaching. This academy offers players the opportunity to develop their softball skills/talents and strength/conditioning throughout the entire school year. Visit the website for information on bus transportation to Seaquam from South Delta (Ladner & Tsawwassen). (2 block program every other afternoon) For information and application go to: [web.deltasd.bc.ca/content/programs/academies](http://web.deltasd.bc.ca/content/programs/academies)*

**HOCKEY-BURNSVIEW-BLOCK A or B-SEC 1&2**

**HCKYBU** Grade Level 8 Credits

*GRADE 8-12 MALES & FEMALES*

*This academy is co-ordinated by Burnsvievw teacher Carl Payne, and coached by local coaches Brent Thurston and Shane Kuss. This academy provides on-ice skill development and off-ice conditioning to intermediate and advanced competitive players. (1 block program, every other day)*

**HOCKEY-BURNSVIEW-BLOCK A or B-SEC 1&2**

**HCKYBU** Grade Level 8 Credits

*GRADE 8-12 MALES & FEMALES*

*This academy is co-ordinated by Burnsvievw teacher Carl Payne, and coached by local coaches Brent Thurston and Shane Kuss. This academy provides on-ice skill development and off-ice conditioning to intermediate and advanced competitive players. (1 block program, every other day)*