



2525 Como Lake Avenue, Coquitlam, BC V3J 3R8

COURSE CATALOGUE

École Dr. Charles Best
Secondary School

2018/19

HOME OF THE BLUE DEVILS

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ADMINISTRATIVE TEAM

Mrs. C. Coulson, Principal
Mr. D. Jones, Vice-Principal (Students A - G)
Mrs. S. McKay, Vice-Principal (Students H - O)
Mrs. A. Young, Vice-Principal (Students P - Z)

COUNSELLING TEAM

Mrs. Rachel John (Students A - G)
Mr. Warren Chang (Students H - O)
Mr. Jerry Areshenko (Students P - Z)



Bell Schedule:

Period 1

8:20 AM – 9:40 PM

Period 2

9:44 AM – 11:03 PM

Period 3

11:07 AM – 12:26 PM

Period 4

12:30 PM – 1:49 PM

Period 5

1:53 PM – 3:12 PM

Mission Statement

At Dr. Charles Best Secondary we shall provide a positive, caring environment for learning where students strive to achieve their potential for excellence. Education in our schools is the shared responsibility of the home, school, and community. In a caring cooperative, safe environment, every student will prepare for lifelong learning and living in a diverse society.

CERTIFICATE OF GRADUATION: 2018 GRADUATION PROGRAM REQUIREMENTS

The B.C. Certificate of Graduation or "Dogwood Diploma" is awarded to students who successfully complete the provincial graduation requirements.

If you are entering Grade 10 or 11 in 2017/18 you are in the 2018 Graduation Program. To graduate, you will require 80 credits total – with a **minimum of 16 at the grade 12 level**, and **28 elective course credits**. 52 credits are required from the following:

- two Career Education courses (**8 credits total**) (replaces Planning 10 and Graduation Transitions)
- Physical and Health Education 10 (**4 credits**)
- Science 10 (**4 credits**), and a Science 11 or 12 (**4 credits**)
- Social Studies 10 (**4 credits**), and a Social Studies 12 (**4 credits**)
- a Math 10 (**4 credits**), and a Math 11 or 12 (**4 credits**)
- a Language Arts 10, 11 & 12 (**12 credits**)
- an Arts Education 10, 11, or 12 and/or an Applied Design, Skills, and Technologies 10, 11, or 12 (**4 credits**)

ENGLISH PROGRAM

GRADE 9	GRADE 10	GRADE 11	GRADE 12
English Language Arts 9	English Language Arts 10	English Language Arts 11	English Language Arts 12
Mathematics 9	Foundations OR Workplace Math 10	Math 11 or 12	Elective 12
Science 9	Science 10	Science 11 or 12	Elective 12
Social Studies 9	Social Studies 10	Social Studies 12 or Elective	Social Studies 12 or Elective
Physical and Health Education 9	Physical and Health Education 10	Elective	Elective 12
Elective	Career Education 10	Elective	Elective 12
Elective	Elective	Elective	Elective 11 or 12
Elective	Elective	Elective	Elective 11 or 12
			Grad Transitions

FRENCH IMMERSION PROGRAM

GRADE 9	GRADE 10	*GRADE 11	*GRADE 12
Français 9	Français 10	Français 11	Français 12
Sciences Humaines 9	Sciences Humaines 10	French Immersion Elective 11 or 12 OR Histoire 12	French Immersion Elective 11 or 12 OR Histoire 12
Communications 9	Vie et Carrière 10		
English Language Arts 9	English Language Arts 10	English Language Arts 11	English Language Arts 12
Mathematics 9	Foundations OR Workplace Math 10	Math 11 or 12	Elective 12
Science 9	Science 10	Science 11 or 12	Elective 12
Education Physique et Santé 9	Education Physique et Santé 10	Elective 11 or 12	Elective 12
Elective 9	Elective 11 or 12	Elective 11 or 12	Elective 12
		Elective 11 or 12	Elective 12
		Elective 11 or 12	Elective 11 or 12
			Grad Transitions

*A minimum of 4 immersion courses at the 11/12 level required, but 5 immersion courses are recommended for fluency

STUDENT SERVICES/LEARNING SUPPORT SERVICES

Counselling

Students are assigned to a specific counsellor for programming purposes; however, they may see any counsellor in order to discuss personal issues. Parents/guardians are encouraged to use counselling services as well to discuss the progress/attendance of their son or daughter. Appointments may be made through the counselling office.

In the LRC, students usually receive one block of time for academic support. Their time may be spent on skill remediation and implementation of study skills and learning strategies. Provincial exam adjudication, for qualified students, is also provided through the LRC.

Career Resource Centre

The Career Resource Centre operates as a library of post-secondary information. The Career Resource Facilitator (CRF) is available to assist students in clarifying post-secondary requirements, and help with the application process. Students in grades 10-12 should visit the centre at least once a year, especially at course selection time, to verify their choices for the following year. Parents with questions are also encouraged to contact the CRF.

The Skill Development Program

The Skill Development Program promotes academic, social and physical independence for students with special needs. Goals are set according to each student's strengths and needs and are outlined in an Individual Education Plan (IEP). Students may work in the Skill Development Classroom and/or may be integrated into regular classes with support from a skill development teacher, special education assistants or peer tutors. Community training, life skills and work experience are also part of this program.

Learning Resource Centre

In order to assist students who require support with one or more subjects, provisions are made to provide assistance in the form of a Learning Resource Centre (LRC) Block. Students are also provided with tutorial support for concept skills acquisition and retention, and accommodations support for any identified learning disabilities.

Students on individualized (modified) programs are not expected to meet the curriculum goals and are instead working towards achieving their own independent IEP goals. Students on individualized programs may receive letter grades with respect to their IEP goals. Upon graduation, students will receive a transcript along with their School Leaving Certificate.

DIGITAL LITERACY – NEW!

Digital literacy skills have become crucial for students to be successful in the 21st century. Grade 9s will be the focus for the upcoming school year and will begin developing these skills through an integrated learning format. Course work will be delivered through students' existing English 9 and Science 9 courses. The curriculum will cover areas such as research and information literacy, creativity and innovation with technology, technology operations and concepts, and digital collaboration and citizenship. The course has been designed to align with the Ministry of Education's redesigned curriculum and all grade 9 students will receive a grade 10 credit toward graduation for completion of this graduation requirement. To support this component of their program, all grade 9 students are encouraged to bring their own device, either a laptop or tablet.

ONLINE COURSES AT COQUITLAM OPEN LEARNING

Do you want to take more than 8 courses? Would you like more elective blocks at your school? Do you want to take a course your school does not offer? If you answered yes to any of these questions, then you should consider taking a course at Coquitlam Open Learning (COL). COL is School District 43's online school and offers flexible-pace, continuous entry courses for all Tri-City students. For more information or to register, visit the website at <http://online.sd43.bc.ca>.

Français langue seconde immersion

(French Immersion)

Français 9

In this mandatory course, students will be challenged to develop their communication, critical and creative thinking competencies, in addition to developing their reading and writing comprehension. In studying a variety of texts, students will develop an understanding that literature reflects the society in which we live and can broaden our perspectives. Culture, identity, and the development of critical thinking skills will be some of the semester-long themes addressed in the course, in addition to a variety of grammar topics, with the overall objective of increasing fluency in the French language. Students are expected to participate in and complete all activities (oral, written, listening, reading) in the French language for the duration of the semester.

Sciences Humaines 9

This is a required course for French Immersion students. Students will use inquiry processes and skills to ask questions, gather, interpret, and analyze ideas, and communicate findings. The course focuses on the development of Canada as a nation from 1750 to 1900. Topics of study include: the impact of the Indian Act and residential schools on the various First Nations communities across Canada as well as the impact of these policies on Nation building and how they impact current Canadian issues; the attainment of responsible government; industrialization and building of the CPR; and changing cultural relationships resulting from immigration and settlement of Canada.

Communication 9

This required course provides the opportunity for extensive use of the French language. It also allows students to express themselves in French through small and large presentations. Students will look at topics such as advertising, news stories, improvisation and public speaking.

Éducation Physique et Santé 9

This is a required course for French Immersion students. It is taught entirely in French and parallels the Physical and Health Education 9 curriculum.

Français 10

This is a required course for French Immersion students. Do you like being a critic or analyst? Do you want to experience a wider range of literary genres and debate cutting edge ideas? You will improve your French skills by being creative and learning how to share, present and defend your point of view. The practice of the four components of language learning will be imbedded in specific

units like creating children's books, novel projects based on our seven intelligences, and literary critiquing.

Sciences Humaines 10

This is a required course for French Immersion students. It focuses on Canada from 1914 to the present, and continues to build on knowledge developed in earlier grades in three main topic areas. The history component focuses on political, cultural and economic issues in Canada, including Canada's role in international affairs such World War I, World War II, and the Cold War. It will also cover internal affairs and movements such as the Quiet Revolution in the Province of Quebec. In Geography, students focus on economic and environmental issues, including demography, population, standards of living and resource use around the globe. Finally, the Government section of the course develops students' understanding of Canada's three levels of government, the role of the citizen in the political and legal systems, the Constitution and the Charter of Rights and Freedoms.

Éducation Physique 10

This is a required course for French Immersion students. It is taught entirely in French and parallels the curriculum delivered in Physical and Health Education 10.

Vie et Carrière 10

This mandatory course is taught in French and parallels the Career and Life Education 10 curriculum (formerly Planning 10). During this course, students will have the chance to develop the skills they need to become self-directed individuals through units such as Career and Education, Health and Safety and Finance. Students are also introduced to Graduation Transitions, a graduation requirement that must be met by the end of Grade 12.

Français 11

This is a required course for French Immersion students. Students will further develop their four language skills: listening, speaking, writing and reading. Through literature, articles in the press, and discussions, students will learn to identify and explore the central questions of a text, compare their own values and points of view to those expressed in a text, and interpret images to identify both explicit and implicit messages. Students will also learn to lead and maintain high levels of discussion, defend their points of view by utilizing a variety of sources, convince and persuade through various communication strategies, and enrich their writing style to create the desired effect. One of the central ideas of the course is that the press plays a key role in social, civic, and cultural life by influencing the principles and values of society.

Communication 11

This elective course will allow students to deepen their use of French oral skills. Students will develop their creative, analytical, and reasoning skills in order to get ready for the Provincial Oral Exam. Four major units will be presented: a comparison of French cinema vs. Hollywood cinema, a production of TV shows posted on our school YouTube channel, a media analysis on international news and finally a humanitarian action through our Kiva.org school team. Active student participation in this course is essential for success.

Éducation Physique 11

This elective course is taught entirely in French. This senior PE class offers a wide variety of physical activities off campus such as kayaking, fencing, skating, curling, self-defense and much more!

Perspectives Mondiales 11

This elective course is designed to provide students with the opportunity to develop awareness of the world and its complex issues. They will learn to be better global citizens by exploring various topics such as the social, cultural, environmental and economic impact of globalization. Students will use thinking, collaboration, and communication skills to solve problems, address issues, or make decisions. Possibility of a humanitarian trip in March 2020.

Français 12

This is the final required course in the French Immersion Diploma program. The course aims to improve the four basic skills of listening, reading, speaking, and writing. A constant effort is made not to isolate any one of these four skills. Literary concepts and analysis, techniques of narration, the social and philosophical background of literary texts, communication strategies, and formal essay structure are studied in greater detail. Through film, literature, and discussions, students will learn to think critically about abstract ideas in various social, cultural, and political contexts, nuance their opinions through philosophical reflection, synthesize ideas gathered from various texts, and refine their writing style through careful proofreading. Students will also understand the ways in which bilingualism opens opportunities in their personal, social, and professional lives, as well as gain a better understanding of francophone cultures and customs. This course has a Provincial Exam.

Histoire 12

This required graduation course, taught in French, focuses on world events in the latter part of the 20th century. It focuses on the history of the Cold War, the end of the Soviet empire, nationalism and ethnic tensions and violence, conflicts in sub-Saharan Africa in the 1990s and 21st century, South Africa, the Middle East, and revolutions. The study of 20th century events introduces students to events of particular relevance and immediacy in their lives. By examining the choices and decisions of the 20th century, students can evaluate current events and challenges with a deeper awareness of alternatives. Students will learn to assess the reliability of resources, ask questions and gather, interpret, and analyze ideas. They will learn to make connections between the actions of individuals or groups in the past and their impact on current situations and developments (cause and consequence). They will develop the ability to compare and contrast events, individuals or groups of the past and present, examine different perspectives of the same events and evaluate the validity of each group, make reasoned ethical judgments about controversial actions in the past or present, and determine whether there is an ethical responsibility to respond.

Journalisme 11/12

This elective course, taught in French, has been developed to meet the needs of students interested in developing journalistic skills and is designed to provide students with the opportunity to work as editors and leaders in the journalism classroom. One of the integral components of the course will require students to write news, sports, and editorial and opinion pieces in French for the School Newspaper. They will act as editors, leading teams in the planning and production of a series of publications during the semester. The course will also allow them to develop skills in interviewing, photography, editing, layout, and computer uses. Students interested in a career in journalism or broadcasting will find this course particularly useful all while having the opportunity to hone their French written and oral skills.

Perspectives Globales 12

This elective course is a continuation of Perspectives Mondiales 11. The students will revisit the concept of globalization and other complex global issues. Students will continue to use thinking, collaboration, and communication skills to solve problems, address issues, or make decisions.

Applied Design, Skills and Technology

Includes the following: Business and Information Technology, Home Economics, and Technology Education (Drafting, Electronics, Woodworking, Automotive).

Business and Information Technology

In several of these courses, students will have the opportunity to create optional projects beyond the required curriculum. A fee will be charged for materials should students choose to complete these optional projects.

Business Education 9

This course will introduce students to the fundamental components involved in the business community. Students will understand the role of the marketing mix and how it can appeal to different segments of the population. The class will engage and prepare students who wish to take future courses in this subject area by increasing their understanding of business-related concepts.

Information and Communication Technologies 9

If you enjoyed computer explorations in middle school, Computer Studies 9 is the course for you. This course is designed to improve the computer skills you have already developed and to provide you with an opportunity to see where computer technology can take you. This course is divided into four sections: multimedia development (Photoshop, Flash animation, Digital Video), web site design and creation (Dreamweaver), business software (Microsoft Office), and computer programming (through robotics). The course provides the skills needed to take higher level courses in Information and Communications Technology (ICT), Business Education, Photography, Computer Programming, and Media Design.

Marketing 11

Students will work towards developing many of the skills they need to work for themselves or for someone else in a retail or service business. Topics covered include the nature of marketing, consumer psychology, marketing research, sales presentations, store image and design, advertising, packaging and labelling, and pricing.

Accounting 11

This course is an excellent foundation for students who intend to get jobs in the business world, become self-employed or take post-secondary business courses. The course is an introduction to book-keeping and basic accounting concepts. There is also a component which covers the basic structure of the Canadian Economy and a brief look at personal finances. Students who successfully complete this course will have an understanding of the basic accounting cycle, simple business financial statements and how the economy works.

Keyboarding 11

This course has been developed to meet the needs of students interested in working with computers in a business environment where strong keyboarding skills are required. The curriculum is designed to allow students to increase their keyboarding proficiency to any employable level and to provide a basic framework where students can learn the fundamentals of word processing and all of the basic word processing tasks that they may encounter upon entry into the workforce.

Film & Television 11

Film 11 is a hands-on course in filmmaking. Creating an audience-worthy film is not done "by the numbers". It is done by immersion in the process and by knowing the "why's" that teach the "how's". Students learn by hands-on experience, trial and error, feedback and correction, and questions and answers. Students in Film 11 will be engaged in four main projects: montage, single location narrative, an action film and a semester end film. All of the basic film concepts will be taught and applied in this class. No prerequisite course or knowledge is needed.

Animation 12

Students will produce a 2D animated short film on industry standard software. Character rendering, storyboarding, script development, sound-editing and titling are studied and developed in class. Handmade and computer-generated imagery are supported in a lab equipped for creative exploration in both media formats. Students participate in a final screening of their animated films. Graduates of this program have received placement in animation schools and in industry.

Film & Television 12

Students learn advanced techniques of film making producing a short film that will be the beginning of their demo reel and resume. Advanced concepts will be taught including in-depth screenwriting, advanced filming techniques, Premiere Pro editing, advanced visual effects and even studying feature films of cinematic significance. Film & TV 11 is recommended as a prerequisite for this course.

Media Design 11

An introduction to one of the fastest growing career opportunities in North America, this course offers hands-on experience with visual effects, computer generated (CG) modeling and interactive production. The course is ideal for those interested in visual effects, animation, movies and video games.

Programming 11

Students will be introduced to Python, the world's most sought-after programming language five years in a row (CodeEval.com). Students will also gain experience in programming using HTML5, Arduino and Unity. The final project will have students design and produce their own video game. This course is available to students in grades 10,11, 12 and available as an IDS.

Media Design 12

Previously called Digital Media Development, this course offers advanced techniques in visual effects, sound editing, 3D modeling and interactive authoring. The course is ideal for those interested in visual effects, animation, movies and video games.

Programming 12

This course builds on the skills and knowledge acquired in Programming 11. Students will learn more complex programming challenges setting them up to focus on a particular language. This course will also cover advance topics such as game design, UI and emerging trends. Completion of Programming 11 is recommended as a prerequisite for this course.

Home Economics

In several of these courses, students will have the opportunity to create optional projects beyond the required curriculum. A fee will be charged for materials should students choose to complete these optional projects

Food Studies 9

Enhance your culinary skills with professional techniques to create food that looks and tastes great. Discover how good nutrition plays a key role in a healthy lifestyle. Develop life skills to share with family and friends. Students prepare a wide variety of foods including sweet and savoury quick breads, breakfasts, soups, vegetables and salads, main course entrees, as well as desserts.

Textiles 9

Build your sewing skills, practicing basic sewing machine and serger techniques. Major projects include garments (such as a skirt, shorts, or pants), and "upcycling" – taking a ready-made item and turning it into something new. Students will also explore fabric construction and garment care in order to become more responsible and knowledgeable consumers. Projects/patterns will be selected according to the experience and desire of the students.

Marketing 12

This course continues to build business management and entrepreneurship skills. Marketing at both the international and national level will be explored. Topics covered include Product Strategies, Pricing Strategies, Channels of Distribution, and Advanced Concepts in Advertising. This course is beneficial to anyone interested in running their own business and/or pursuing business or commerce programs.

Entrepreneurship 12

This course has been designed with the purpose for students to have a global perspective on the ever fluid business world and then to 'globalize' what they learn by applying their knowledge and skills to the local business community. Students will learn how capital is created while being cognizant of the potential risks, challenges, and issues associated with facilitating a business venture.

Accounting 12

Builds on concepts learned in Accounting 11. Students will be introduced to further accounting procedures as well as how accountants use financial statements for financial analysis. The course also included a component on investing and how the stock market works. This course is ideal for students seeking employment in accounting or pursuing a business program at the post-secondary level.

Food Studies 11

Expand your repertoire of culinary skills and get an opportunity to earn the provincial **Food Safe Level 1 Certificate**, valuable assets in today's job market! Learn how to apply key concepts of healthy eating when preparing food. Discover the many multicultural flavours of the world by studying cuisines of the Americas, Asia, Europe, and the Middle East. Students plan, prepare, and enjoy a variety of international foods.

Textiles 11

Develop machine skills and learn industry techniques for sewing skills. Use design thinking to enhance and create unique textile items. Learn about "upcycling"—taking a ready-made garment, and turning it into a new creation. Explore the online sewing world through bloggers and social media. This is a great course for those who want to learn to create "me-made" garments and other textile items.

Interpersonal and Family Relationships 11 (Family Studies)

Explore healthy interpersonal relationships in our global society. Learn about yourself and your relationships with others. Explore the stages of human growth and development and how they affect you, the individual, as well as society as a whole. This course is all about the roles, rights and responsibilities of adolescence, as well your relationships with others (including your family), focusing on communication skills, conflict resolution, intimacy, and love. An excellent course for those interested in careers in social work or in human services.

Food Studies 12

Become prepared for life away from home. Food Studies 12 looks in-depth at food—how it's grown, harvested, prepared, and marketed. Use advanced professional techniques to prepare specialty breads, pasta, appetizers, soups, entrées, jams and jellies. Learn how to improvise, balance flavours, and create your own recipes. This course will be an asset to anyone who plans to enter the food, tourism, or hospitality industries.

Fashion Industry 12

Do you love fashion? This course is perfect for those who are interested in the fashion industry, but don't want to sew. Topics include fashion psychology and history, trend development, principles of design, role of designers, an introduction to fashion illustration, fashion marketing, and retailing. Students will maintain a fashion portfolio that may be used in post-secondary and job interviews.

Textiles 12

This advanced course continues to build on sewing construction experiences, allowing students to further explore design while refining previous skills. Flat-pattern drafting will be introduced and students will draft their own skirt or pant pattern. Projects will be selected based on interest, experience, and ability in consultation with instructor. This course is highly recommended for students interested in post-secondary fashion design and marketing programs.

Child Development and Caregiving 12 (Family Studies)

This course is for those students who want to learn about the physical, emotional, cognitive and social development of children. Topics of study include: pregnancy; development of children from birth to adolescence; rights and responsibilities of children and caregivers; careers in caregiving. Activities may include interacting with elementary school children, daycare simulation, infant visits, and adoption of RealCare™ babies. This is an excellent course for anyone interested in a career with children, or anyone who may be interested in being a parent!

Housing and Living Environments 12 (Family Studies)

Planning to live on your own? Interested in housing and design? This course is for you! It focuses on the family life cycle, and how housing needs change over time and with a variety of circumstances. Topics include a history of housing, finances and mortgages, legal rights and responsibilities, and creative options for furnishing and design. You will also examine trends and traditions in housing, government regulations and supports, and how architecture and design can be used to enhance and maximise a living space.

Technology Education

In several of these courses students will have the opportunity to create optional projects beyond the required curriculum. A fee will be charged for materials should students choose to complete these optional projects

Drafting 9

This course introduces various design and drafting processes as well as graphic communication techniques. The use of a 3D printer is covered and students will design and print using this state of the art equipment. Other areas covered will include animation, CAD, computer graphics, drawing, engineering and interior design, using both instruments and available software. Students will acquire skills that can be used in many real world applications.

General Explorations 9

This is a fun course that provides an excellent introduction to designing, building and testing inventions. A variety of hand tools, machines and materials will be used to construct various projects. Examples of some projects include CO2 race cars, mousetrap vehicles, rockets, and guns. A popular unit on computer games is also included.

Electronics and Robotics 9

This is an introductory course where students will learn about different electronic components and the many circuits in which they are found. Students will have the opportunity to produce various projects starting with computer design and progressing through all construction stages to the finished project contained and mounted in an enclosure. Some theory work will also be done covering such topics as circuit analysis, Ohm's Law and how to trouble shoot faulty circuits. Optional projects are available.

Woodworking 9

Students will build a number of projects starting with simple hand tool projects and progressing to projects built mainly using power tools. In the process, students will learn correct and safe use of both hand and power tools, and basic principles of design.

Carpentry & Joinery 11 (Wood 11)

This wood course stresses efficient methods of building projects using hand and machine processes. Initial projects will challenge students to demonstrate their ability at keeping wood joints tight and project parts square. Special skills and setups will be used in the production of projects for personal use. Mass production techniques will be included where applicable. Optional Projects are available.

Drafting & Design 11

This is an introductory course with the emphasis on learning the basics of AutoCAD. Traditional board drawing and sketching is covered briefly. Students will also have the opportunity to work with a 3-D printer and will design and print 3-D objects. Students will become proficient in both 2-D and 3-D drawing and will use AutoCAD, 3D Architect and SolidEdge computer software. Students design their dream home and build a scale model of their design.

Electronics 11

This is a course for students who have or have not had any electronics experience. This course will run according to student interest and background in electronics. An opportunity for project construction will also occur in this course. In addition, enhanced instruction such as using digital multi-meters, oscilloscopes and function generators will be included. An introduction to digital electronics will be included for students who have mastered electronics basics. Optional Projects are available.

Automotive Technology 11 (Open to students in grades 11 & 12 only)

This course is designed to provide a basic education in areas related to the automotive industry. Students in grades 11 and 12 are permitted as much latitude as possible to develop their skills from a general interest or a career point of view. This course is a combination of related theory and practical experience. Emphasis is on the general concepts and theories as well as correct use of tools and equipment used in the maintenance and repair of automobiles. **OFF CAMPUS at Centennial.**

Drafting & Design 12

This course will provide an opportunity to acquire the more advanced technical drawing and 3D modelling skills that are useful for those pursuing drafting and design related careers. Students will be able to investigate mechanical, architectural and various other design concepts and techniques used in the production of

board and CAD (computer aided design) drawings. Final project is designing either a house or a place of business and building a scale model of it. Careers involving drafting (Architecture, Engineering, Design, etc.) will be discussed and researched.

Foundations in Trades 11/12

Students may take this course in Grade 10, 11 or 12. Students learn trades and technology skills and earn credit towards secondary school graduation. This course allows students to explore trades or technology careers. Trades covered include Electrical, Plumbing, and Carpentry and may also include one or more of Joinery, Drafting, Painting, Welding and Steel-stud and T-Bar ceiling (lathing). This course is an excellent introduction to the apprenticeship training program and offered in conjunction with the Ministry of Education and the Industry Training Authority (ITA). The ITA awards provincial credentials (Certificates of Qualification and Red Seal Designation). There are no prerequisites for this course.

Automotive Technology 12

This course is designed for the student who wishes to pursue a career in the automotive service industry and will follow the Post-Secondary curriculum prescribed for level one apprentices within the mechanical repair trades. Theory is studied in-depth and practical competency is required. **OFF CAMPUS at Centennial.**
Prerequisite: Automotive Technology 11

Carpentry & Joinery 12

This course builds on the skills taught in Carpentry & Joinery 11. Designs, plans, and bills of materials will be required when constructing individualized custom projects or group mass-produced projects. A unit on construction building standards and methods will be included. Optional Projects are available.

Electronics 12

This is an advanced course for students who have had past electronics courses. Students will have an opportunity to complete more involved project work as well as learn about topics such as digital electronics, rectification, AC theory, motors and electrical building standards. Optional Projects are available.

Electrician Apprenticeship Training Program ACE – IT

Visit the Career and Trades Program Website for more information: [Career and Trades Programs](#)

Arts Education

Drama

Drama 9

This introductory course in the dramatic arts develops individual confidence in a safe and accepting environment. It is expected that students will learn appropriate ways to respond to and communicate the thoughts, feelings and beliefs of others, both individually and in diverse groups. Through collaboration and participation, students will explore active listening, creative script analysis and critical thinking by using movement, voice, and concentration. In short, the course means to teach students a different way of being. Developing a lasting love/appreciation for the theatre arts is a core objective.

Drama 10

Drama 10 is designed to strengthen student confidence and broaden students' vocal and physical presence. This project-based course will focus on: rehearsal strategies, positive group interactions, collaboration and cooperation, active listening, participation, and performance. Building an appreciation of the theatre and the art of acting is the collective objective.

As with Drama 9, this is a participatory course meant to develop students' critical and creative thinking skills using script analysis, movement, voice, and concentration. Students will be encouraged to further develop their skills by participating in extra-curricular production work. Prerequisite: Drama 9 or Instructor Permission

Drama 11 (Acting)

Designed to further develop the reflective, creative, critical thinking skills learned in Drama 9 and 10, Drama 11 explores script analysis through monologue creation, scene study and play production. Connecting and appreciating the work of actors and their important roles as story-tellers in society is a primary focus. Furthering and expanding the complexity of work explored in other drama courses, students will apply theories of acting processes directly to play production as well as build personal confidence by participating in class production projects. Frequently reflecting upon, and assessing our work through direction and constructive feedback will facilitate learning. It is expected that students demonstrate respect for themselves, others and other cultures by maintaining a safe working environment where ensemble members are free to take personal risks to improve their personal confidence. Additionally, students will be encouraged to participate in extra-curricular productions to build upon their classroom experiences. Prerequisite: Drama 10 or Instructor Permission.

Theatre Production 11 (Stagecraft)

This is an introductory course in backstage theatre, including theatre background, design, set construction, costuming, scene painting, properties, sound and lighting. Students will create the worlds we present in our theatre. Stagecraft requires students to use both manual and power tools and perform physical activities, such as moving heavy flats, risers and set pieces. Appropriate clothing for construction and painting is needed. This is a linear course and students will be expected to be involved in the fall and spring productions in November and early May as well as other school functions throughout the year.

Directing and Script-Writing 12

This course will focus on developing directing, producing and scriptwriting skills, with the goal of mounting small productions. Students will be involved in the casting, direction and production of original works, possibly written by themselves or other students. Daily participation, leadership and mentoring of junior classes is the expectation. Specific levels of responsibility will be assigned to students based on confidence levels achieved through ensemble building. Students will be expected to write short one act plays as well as direct a variety of in-class productions. Prerequisite: Drama 11 or Instructor Permission.

Drama 12 (Acting)

This course will build upon the creative, collaborative, critical skills and experiences explored in the previous three courses. Providing students with a deeper and more sophisticated appreciation of acting, production, and ensemble building processes, Drama 12 will be a safe learning environment where students will actively pursue excellence in the craft of acting. It is expected that students will demonstrate respect for the art form, themselves, others and other cultures by directly participating in all aspects of this class. Traditionally, the focus of study is one act plays to be presented to live audiences during the district play festival held the third or fourth week in November. Prerequisite: Drama 11 or Instructor Permission.

Theatre Production 12 (Stagecraft)

This advanced course in backstage theatre will continue to build on the skills and knowledge introduced in Theatre Production 11, and will also include in-depth work on sound, lighting, costumes, and stage management. Advanced students in this course will have the opportunity to act as stage managers and assistant producers for the various productions mounted during the school year as well as provide leadership to junior crew members during production runs. Prerequisite: Theatre Production 11.

Music

Concert Band 9

This is the first in a series of band courses. Students taking band will develop sight-reading, performance and ensemble skills. Through a varied repertoire, students will develop skills in musicianship. The course also covers theory and performance technique as it relates to the music being studied. This is a performance-based course, so attendance is required at all rehearsals and scheduled performances.

Guitar 9

This course is designed for grade 9 students with little or no previous experience on guitar. It is a non-performance, one-semester course designed to teach students basic reading and playing skills. In addition to learning many songs, students will learn strumming, picking and classical techniques. The school will supply the guitars and music.

Concert Band 10

Band 10 is the second in a continuing series of band courses offered. Repertoire is varied as in Band 9; however, the level of performance is more difficult and students are expected to have more proficiency on their instrument. This course will also cover theory and instrumental technique as it relates to the music being studied. This is a performance-based course and all students are required to attend all rehearsals and scheduled performances.

Concert Band 11/12

Band 11 and 12 are the final two sections in the continuous music program. Students enrolled in Band 11 and 12 should be interested in further developing their skills and enjoying the challenge of more difficult and musically demanding pieces. These courses cover music theory and instrumental technique. Opportunities to show growth as a music student will be part of the assessment. This is a performance-based course and all students are required to attend all rehearsals and scheduled performances.

Jazz Band 9/10/11/12

Jazz Band is for students who already play an instrument and are especially interested in performing Jazz and popular music. Students enrolled in Jazz Band must also be enrolled in Concert Band. Students in this course learn the basics of improvising, blues and simple chord progressions. Jazz Band is an extension of the regular Band class as some of the instrumental skills needed to succeed in the course are only taught in regular band class. This is a performance-based course and all students are required to attend all rehearsals and scheduled performances.

Concert Choir 9/10/11/12

Choir is open to anyone who enjoys singing. No previous experience is necessary. Repertoire includes contemporary and pop music as well as classics. Students learn the basics of vocal production, breathing, music reading and part-singing. This is a performance-based course and students are required to attend all rehearsals and performances.

Vocal Jazz 9/10/11/12

Students enrolling in Vocal Jazz must also be enrolled in the Concert Choir course. Vocal jazz courses are an extension of the Concert Choir Program and feature the opportunity for students sing in the Jazz and popular styles. Some rhythm section players will be needed, and Band students who play drums, bass or piano are welcome to audition for Vocal Jazz ensembles.

Guitar 11/12

These courses are designed for grade 10/11/12 students with little, none or some previous experience on guitar. It is a non-performance, one-semester course designed to teach students basic reading and playing skills. In addition to learning many songs, students will learn strumming, picking and classical techniques. The school will supply the guitars and music.

Visual Arts

Visual Arts 9

Art Studio 9 is an introductory course. Students will be introduced to a variety of media including, but not limited to, drawing, painting, printmaking, sculpture, mixed media and ceramics. They will be expected to begin *reflecting* on how their artwork relates to their personal experiences and how they will express themselves.

Ceramics 9

This is an introductory course that explores 3-D art. The focus is on clay hand building techniques (coil building, pinch pot and clay slab) and finishing techniques such as glazing, under-glazing, slip

trailing and staining. Students will make functional ware (Mugs, bowls and so on) as well as non-functional ware.

Graphics 9

This course introduces students to the basic principles of graphic design. Students will apply those skills to a variety of graphic processes including: hand and computer-generated graphics, laser-cut printing blocks, silk-screening and more. Students should be interested in developing new and imaginative ways to express ideas in graphic media, both digital and traditional.

Art Foundations 11

Art Foundations 11 is a valuable introductory art course at the senior level that will appeal to students interested in a wide range of art experiences. The course is open to both experienced art students and those taking art for the first time. Art Foundations 11 will provide opportunities for personal expression and visual communication in both 2 and 3-D works. These may include: drawing, painting, ceramics, sculpture, collage, printmaking, and others. The focus of the course will be on the elements and principles of design, image development strategies, and understanding art in its social, cultural, and historical contexts.

Sculpture 11 (Ceramics)

This course provides students the opportunity to express themselves in 3-D media, learn new techniques, and gain an appreciation of the personal, cultural, historical and social contexts within which art is created. This course will appeal to experienced art students and beginners alike, and will cover clay hand-building techniques, basic pottery wheel work and different ways to give finishes. Students will also explore making a sculptural piece. Other three-dimensional methods such as wire and plaster may also be explored.

Graphic Arts 11 (Printmaking)

Students will be introduced to the graphic arts through the traditional and contemporary media of wood block printing, dry point etching, stencil and screen printing. The idea that “the artist is the subject” will frame students’ exploration of their place as artists in cultures, and guide their creative exploration and growth. Students will design and edit their work using traditional hand-held media and digital tools, and print using technologies ranging from wood block to engraving presses to wide format ink jet.

PLEASE NOTE: *Students wanting to enroll in any art course at the grade 12 level need to consider that success in these courses is highly dependent on having the skills and understanding of content taught in grade 11 level courses. Students with outside equivalent community experience may speak to the teacher for permission to enroll in a 12-level course without having completed the 11-level course in advance. Acceptance will depend on whether the student demonstrates adequate skills to enter a 12-level course.*

Art Foundations 12

Intended for students who wish to continue their exploration of art using a variety of media at the advanced level, the course reviews and expands the content from Art Studio 11 and provides students with the opportunity to prepare portfolios for post-secondary fine art courses. An emphasis will be to develop independence in researching, planning and developing visual imagery. Although there is no prerequisite for this course, students will benefit more from it if they have taken Art Studio 9 or 11.

Sculpture 12 (Ceramics)

This course provides students with the opportunity to further their exploration in ceramics and sculpture. Students will be encouraged and challenged to develop a series of work reflecting their strengths and interests to enrich their experience in the course. The focus

Drawing & Painting 11

This course will allow students the opportunity to explore two-dimensional art with more of a focus on the development of personal imagery and formal composition. A variety of drawing techniques and media will be explored. Drawing and painting skills will be the focus. Colour media such as pastel, watercolour and acrylic paint will be introduced. In addition, students will have the opportunity to look at several movements of art through history. There is no prerequisite for this course, although Art Studio 9 would be a beneficial foundation.

Photography 11

The course is an introduction to photography organized around three areas of technical competence: camera control, darkroom processes, and digital editing & manipulation. Students will create edit and print photographs using a wide range of traditional and digital materials processes and technologies. Reflection, constructive criticism, communication skills and personal research will be used to develop creative control and support the growth of technical skills. The final assignment will be a student-driven exploration of an area of interest and growth. Assessment will be based on progress interviews, assignments and a final portfolio review.

Desktop Publishing 11 (Yearbook)

This course focuses on the skills it takes to produce publications electronically. Students will be introduced to layout design using PageMaker, digital photography, composition rules, creative text and photo manipulation using Photoshop. These skills will be applied to the production of our school’s Yearbook. There will also be opportunities to explore projects of personal interest. This course should be beneficial to all students and should enhance their opportunities in this growing industry.

will be on mastering hand building techniques and risk-taking. They will also get an opportunity to work on pottery wheels creating cups, bowls and plates.

Drawing & Painting 12

This course builds on the foundation developed in Drawing & Painting 11 and allows students to work on a variety of independent 2D projects in the atmosphere of an artist’s studio. The emphasis will be on becoming an affective visual communicator expressing ideas and beliefs working with elements and principles of design. Students will further explore different painting and drawing media. This course would be good for students who need to prepare an art portfolio for application to a post-secondary art program

Graphic Arts 12 (Printmaking)

This course is a more focused exploration of Graphic Design, organized around printmaking technologies. It explores “Brand” as an organizing principle for visual communication. Critical assessment of current and past graphic brand works will provide a framework for students’ own brand designs. Students will demonstrate technical and creative competence in the design, development and printing of wood blocks, engravings, stencils, and photo silk screens designed to communicate and support their brand messages

Directed Studies (IDS Visual Arts)

Students who complete a grade 12 level art program can further their creative development in IDS. This self-directed art course allows students to create their own projects and timelines over a semester. Finished projects are then compiled into a portfolio. IDS students are typically assigned to an existing art block. Application to post-secondary schools based on the student’s portfolio is the final component in IDS. All prospective IDS students need a teacher sponsor in their curricular area of study.

Desktop Publishing 12 (Yearbook)

This course is for students who want to work on the Yearbook. Students will be involved more with the organization and editing of the yearbook and will be expected to take on more of a leadership role. Although the primary focus is on our yearbook publication, students will have the opportunity to work on school and community publications such as play programs, posters, and brochures.

Photography 12

Photo 12 provides an in-depth study of digital SLR photography and builds upon skills and concepts learned in Photo 11. Industry standard equipment, photographic software and hardware support students’ work. Practical applications of design theory and practices in Photo 12 will be carried out through self-directed projects. This will result in a final portfolio highlighting each student’s photographic passion and strength.

Career Education

Career Life Education 10

This course replaces Planning 10. Course content will begin to be transitioned from the Planning 10 learning outcomes to the new competencies and content identified within the Career Life 10 curriculum. During Career Life 10, students will focus on career and post-secondary transitions. This will include students developing an understanding of career possibilities through the recognition of local and global influences on labour markets, as well as incorporating entrepreneurial and innovative thinking to solve workplace and community challenges. Students will also be introduced to the Capstone project during Career Life 10.

Graduation Transitions

Graduation Transitions is intended to prepare students for a successful transition to life after secondary school. All BC secondary school students must demonstrate they have met the

following requirements: **Personal Health** – maintain a personal health plan and participate in 150 minutes per week of moderate to vigorous physical activity. **Community Connections** – participate in at least 30 hours of work experience and/or community service and describe what was learned. **Career and Life** – complete a transition plan and present significant accomplishments for more information. Graduation Transitions is mandatory for all Grade 12 students. Students are to attend seminar sessions during the semester in which they are registered. Exit interviews will be scheduled throughout each semester. Students must complete all components to gain the 4 credits required for graduation. For more information on the upcoming changes to the Career Education component of the New Curriculum, please visit the Ministry of Education website: [Career Education](#)

English Language Arts

English 9

Through the integration of reading, writing, oral communication and viewing, English 9 students will further the skills learned in Grade 8 and refine their appreciation of literature. The skills developed will include writing, editing, reading, critical thinking, speaking and studying. There will be a focus on written work,

including sentence structure, paragraph writing and essay writing. In addition, students will begin to learn the vocabulary of literary analysis to enable them to discuss literature more precisely. Assignments will require that students write in a variety of formats for a variety of audiences and purposes.

English 10: Composition and Focused Literary Studies

English 10 continues to build on the skills learned in English 9. This year, our grade ten course will be a combination of Composition 10 (2 credits) and Focused Literary Studies 10 (2 credits). Students will be required to read, in depth, a variety of literary selections, and analyze and work with them in a variety of ways. The skills focused on will include writing, editing, reading, critical thinking and study skills. There is a strong emphasis on written work in Composition and on literary analysis in Focused Literary Studies and students will be expected to develop a sense of style and an ability to structure works in different genres for different purposes. The vocabulary learned in Grade 9 will be expanded to enrich the students' understanding and appreciation of literature.

English 11 – CHOOSE ONE:**Creative Writing 11**

You know who you are—you're the sci-fi fan who loves world-building; you're the poet who keeps journals and binders of deep thoughts in bits and fragments; you're the novelist wannabe seeking to learn the difference between planning a long short story and a book-length work. Creative Writing 11 is a course that helps students express their unique voices through fiction, non-fiction, memoir, and poetry. Students will develop a portfolio of original work in a variety of genres AND work in depth in a favourite genre of their own.

OR**Focused Literary Studies 11**

This class allows students the opportunity to delve deeply into one area of literature. The course is designed for students who enjoy reading and discussing literature and who wish to develop their skills for post-secondary study. The focus could be on a particular author (like Atwood, Hemingway, or Bradbury), a particular topic (like feminist literature, comedy and satire, or Greek Antiquity and Biblical Literature), or literature by era (Renaissance, Romantic, or 21st century work). Exercises would include close reading that allows students to emerge with deep knowledge of some aspect of our literary and cultural heritage, broadening understanding of themselves and the world.

OR**New Media 11 (Current Issues and Modern Media)**

Is our world an illusion? Who is in control? How will technology change us? How do we build a better world? This academic course is designed for students who have serious questions about the world we live in. "Current Issues and Modern Media" examines human nature and modern themes through a creative and critical lens by drawing upon classical text and 21st century culture to challenge students to understand the current state of the world and the societies we are creating. It also provides opportunity for and encourages students to find individual expression and voice by

refining composition skills and exploring modern media. Assessment will be a balance of traditional English assignments and the creation of a portfolio of personal expression that may include visual art, video, podcasts, blogs, creative writing or performance art.

Communications 11 & Communications 12

The Communications program is as an alternative path to graduation from the conventional English 11 and 12 courses. Communications focusses on practical literacy, with exercises designed to help students read, write, and view with more confidence and competence. Communications courses place less emphasis on literature and make greater use of non-fictional prose: informational and editorial pieces. Though Communications is an accepted credit in some post-secondary programs, it is generally not accepted on applications to academic post-secondary programs. Check with your counsellor to ensure Communications fits your post-secondary plans.

English 12

This literature-based course is designed to provide each student with the opportunity to develop intensive critical skills. The course stresses critical analysis of a variety of forms of literature and communication, including short stories, poetry, essays, novels, drama and films. Students are expected to become competent communicators and judges of form and content in these literary genres. The course also endeavours to prepare students for post-secondary writing courses. This course is a required course for all Canadian universities. Students will take a Provincial Exam at the end of the course worth 40% of their grade.

English Literature 12

In English Literature 12, you have the pleasure of sampling some of the gems in the English literary tradition. The course also encompasses some of the significant movements in the social, intellectual, and artistic history of our culture. Thus, Literature 12 provides a valuable background for students pursuing humanities programs. The course brings to life literary masterpieces through reading, music, art, film, and feasting: a course both pleasurable and informative (and a good addition to an academic resume).

Writing 12

Ever wonder what it's like to write something that's not meant to be read by an English teacher? Writing 12 explores the professional world of writing. Learn how to plan and craft magazine articles, poetry, novels, short stories, children's picture books, chapter books, TV scripts and other compositions, and then learn how to sell them. This course is meant for grade 11 and 12 students who love to put pen to paper. A professional portfolio will be kept as part of the course requirement.

English as an Additional Language

EAL courses are provided to students new to Canada and whose first language is not English. The aim of this program is to support students as they enter our school and strengthen their fluency in the English language. Students are assessed each year and move through a progression of courses (direct support) until they are ready to be integrated into regular classes. Supplemental service (indirect support) is also provided to ELLs (English Language Learners) in collaboration with teachers across the curriculum.

EAL Beginner 9/10/11/12 (Non-Credit)

This course is for students who are new to English or who are experiencing difficulty with any aspect of English (listening, speaking, reading, writing). EAL Level 1

EAL Intermediate 9/10/11/12 (Non-Credit)

This course places emphasis on reading skills, writing, vocabulary development and oral language. Students in this course should know the basic verb tenses, should be able to write simple sentences and compose guided paragraphs. EAL Level 2

EAL Canadian Studies 10 (Credit)

This course allows students to explore Canada's role in the global community. It will also practice language skills and provide background which will increase success in Social Studies 10. Students will be required to access information online (research skills). EAL Level 3

EAL Skills 10 (Non-Credit)

This course is designed to prepare for entrance into the regular English program by enabling students to improve their listening, speaking, reading and writing through exploration and cooperative learning. EAL Level 3+

EAL Composition 11 (Credit)

This course is designed for students who need extra practice and instruction in academic writing skills. The primary focus is to expand word choices to develop a written voice. Challenging activities prepare students for success in English 11 and 12 courses. The course, although recommended before English 11 and 12, can be taken concurrently with English 10, 11, or 12 upon recommendation. This course does not replace English 11 nor the Composition course in the revised curricular options.

Independent Directed Studies

Social Responsibility – Inquiry and Action I

This is an independent study course where students investigate topics of their own personal interest and collaborate online with students in other parts of Canada, the USA and Kenya. The emphasis of the social responsibility will be to provide education and learning opportunities to students in these countries. The two main course goals are as follows:

1. Students move beyond the school curriculum to discover and research areas of their own passion. Check out butterflyeffect.hoop.la for example projects and ideas.
2. Students expand their understanding of social responsibility from their own projects and through collaborative actions performed by the class.

The skills and attitudes learned in this course, such as research, critical thinking and perseverance are extremely valuable for anyone considering post-secondary learning. Students will receive 4 credits for this independent study course, which will run **outside the timetable** and is a full year, linear course.

Social Responsibility – Inquiry and Action II

This is an independent study course where students investigate topics of their own personal interest and collaborate online with students in other parts of Canada, the USA and Kenya. The emphasis of the social responsibility will be to provide education and learning opportunities to students in these countries. The two main course goals are as follows:

1. Students move beyond the school curriculum to discover and research areas of their own passion. Check out butterflyeffect.hoop.la for example projects and ideas.
2. Students expand their understanding of social responsibility from their own projects and through collaborative actions performed by the class.

The skills and attitudes learned in this course, such as research, critical thinking and perseverance are extremely valuable for anyone considering post-secondary learning. Students will receive 4 credits for this independent study course, which will run **inside the timetable** and is a semester course.

Mathematics

Math 9 Bridge – Mini course

This course is designed as a skill building course to assist students who struggle with computation skills and multiple math concepts such as fractions, place value, rational numbers as well as concepts that will prepare them to take Mathematics 9 (in the second semester). This course runs for 35 minutes during the student's lunch block.

Mathematics 9

This course consolidates and extend topics introduced in the middle school years. Topics include operations with rational numbers, square roots, polynomials and algebra, linear relations, and statistics. At the end of this course, students will be prepared for **Foundations of Mathematics and Pre-Calculus 10** or **Workplace Mathematics 10**.

Math & Science 10 Bridge

This first semester course is designed for students who have worked hard in Math 9 and Science 9 but either did not pass, or did pass but still lack sufficient mathematical and foundational understanding to be successful at the next level. The course is an integration of Math and Science topics covering skills and concepts from the grade 9 curricula in preparation for the grade 10 level course. Successful completion of this course will allow students to move on to the grade 10 Math (either Workplace or Foundations and Pre-Calculus) and Science courses in the second semester. NOTE: Students must be recommended for this course by their counsellor in consultation with the Math & Science Departments.

Workplace Mathematics 10

This course is designed to help students develop skills in the following categories: proportional comparisons, understanding operations and using formulae, modeling relationships with math, relationships involving angles, and analyzing data. This course is best for students who struggled with the Math 9 course.

Foundations of Mathematics and Pre-Calculus 10

This is the main Math 10 course. Students will be developing three different Mathematical skills: Reasoning and Analyzing, Understanding and Solving, and Communicating and Representing. Students will be regularly asked to apply mathematical concepts to "real-life" situations. Student evaluation will be based on their algebraic processes, conceptual understanding and application and problem-solving skills.

Workplace Mathematics 11

This course is designed for students who have successfully completed Workplace Math 10 (or have passed Foundations and Pre-Calculus Math 10, but with limited understanding). Students will learn a variety

of methods to solve real-life, practical, technical and theoretical problems. Topics include: problem-solving, finance, data analysis and interpretation and measurement. NOTE: This course does not meet all Post-Secondary entry requirements. Students and families should be looking at their Post-Secondary options to determine which Math class is appropriate for them.

Foundations of Mathematics 11

This course is designed for students who have successfully completed Foundations and Pre-Calculus 10. It is designed for post-secondary studies in programs that do *not* require the study of theoretical calculus. This includes the Social Sciences, Humanities, Fine Arts, some Trades and Technical programs. Students will be learning new algebraic processes and how they are related to real-life situations. Student evaluation will be based on 3 main categories: their algebraic processes, conceptual understanding and applications to real-life situations. It is recommended that students have a graphing calculator for this course (such as the TI-83 or TI-84).

Pre-Calculus 11

This course is designed for students who have successfully completed Foundations and Pre-Calculus 10. The course is designed for post-secondary studies that include the sciences, engineering and some business applications. Each unit requires the students to develop new algebraic processes as well as the application of these ideas to real-life situations. Student evaluation will be based on 3 main categories: algebraic processes, conceptual understanding and applications. Student who successfully complete this course can take either Foundations of Math 12 or Pre-Calculus 12.

Foundations of Mathematics 12

This course is designed to provide students with the mathematical understandings and critical-thinking skills identified for post-secondary studies in programs that do not require the study of theoretical calculus. This is generally most University degrees, except most sciences, engineering and some commerce degrees. (Please check your University's webpage for their specific prerequisites). Topics include Finance, logic, set theory, statistics, combinatorics, relations and functions and geometry.

Pre-Calculus 12

This course is designed to provide students with the mathematical understandings and critical-thinking skills identified for entry into post-secondary programs that require the study of theoretical calculus. Topics include Trigonometry, Relations and Functions (Exponential & Logarithmic, Conics, Polynomial, Radical, Rational, and Transformations) and sequences and series.

Calculus 12

This course is very useful for students who have strong mathematical ability and who intend to take calculus in their first year at a post-secondary institution. The main topics are history of the development of calculus, functions, limits, continuity, derivative rules, curve sketching, related-rates problems,

maximum-minimum problems, and integrals and their applications. Derivations and proofs will also be a key component of this course. This course is very challenging, and higher order conceptualization of Mathematics will be an everyday event. NOTE: It is recommended that students taking this course have achieved 80% or better in Pre-Calculus 12.

The questions and answers below apply primarily to students who are currently in Math 10 Foundations and Pre-Calculus.

1. Who should take Foundations of Math 11?

Students who intend to go into college and university programs such as Social Sciences, Humanities, Languages, History, Geography, Music, Arts, among others.

2. Who should take Pre-Calculus 11?

Students who have already determined that they are pursuing a business math and/or science-based programs in post-secondary. Please note that all of these programs will also require Pre-Calculus 12.

3. Who should take Workplace 11?

Students who intend to go into the trades. However, each trade school has different pre-requisites, so it is important that students ensure they are in the appropriate course for general admission. This course is also for students who do not intend to apply to university directly from high school, and intend to enter the workplace instead.

4. Which should I take if I am unsure what I want to do after high school?

Students must choose a pathway, but if you change your mind, you can change pathways. It is important to check the diagram above to understand how this can be done. The Pre-Calculus 11 pathway allows for a broader range of potential pre-requisites in post-secondary institutions.

5. Should I take Workplace 11 if I am sure I am going into the trades?

You first have to look at the institutions and program that you are considering, and determine what their pre-requisites are.

6. Mathematically, what is the difference between Foundations of Math 11 and Pre-Calculus 11?

There is quite a big difference. Pre-Calculus 11 will look at topics needed for the study of theoretical calculus (ex. Trigonometry, Algebra, Permutations, Combinations). Foundations of Math 11 will look at the mathematics needed for non-calculus based fields of study (ex. Geometry, Relations and Functions, Finance, Statistics and Probability).

7. If I am a strong math student (`B` or better), should I automatically take Pre-Calculus 11, even if I do not know what I am doing after graduation?

Pre-Calculus 11 will keep the most options open. If you are a strong math student, it would be an appropriate choice.

8. Can a student take more than one math course?

Yes. "Students may consider taking more than one pathway if there are mathematical topics which interest them or they are not sure about their future career choices." – Ministry website

9. Why would a student take Pre-Calculus 12?

The course is not mandatory, but this course is a key pre-requisite for students entering directly into university with intentions of going into the Faculty of Sciences, Engineering, Commerce, among others. It is very important that a student look at the precise pre-requisite needed for the schools to which they are applying.

10. Why would a student take Foundations of Math 12?

This course can be used as an academic grade 12 course for admission into most post-secondary, non-mathematical based areas of study. UBC will use Foundations of Math 12 or Pre-Calculus 11 to meet the Mathematics 11 prerequisite for admission.

11. What Math course should I take to get into University?

This will depend on the University and the specific program of study. The Foundations course is an acceptable course for entry into most universities. However, if Pre-Calculus is required for the department of interest, students can apply into that department after 1 year of university, rather than being accepted directly into the department based on their high school results. Since both Foundations and Pre-Calculus are University acceptable courses, students should probably choose the course that will lead to their highest level of success. In other words, it is better to achieve a C+ in Foundations than a C- in Pre-Calculus.

12. Can I get advice on the best Math options for me?

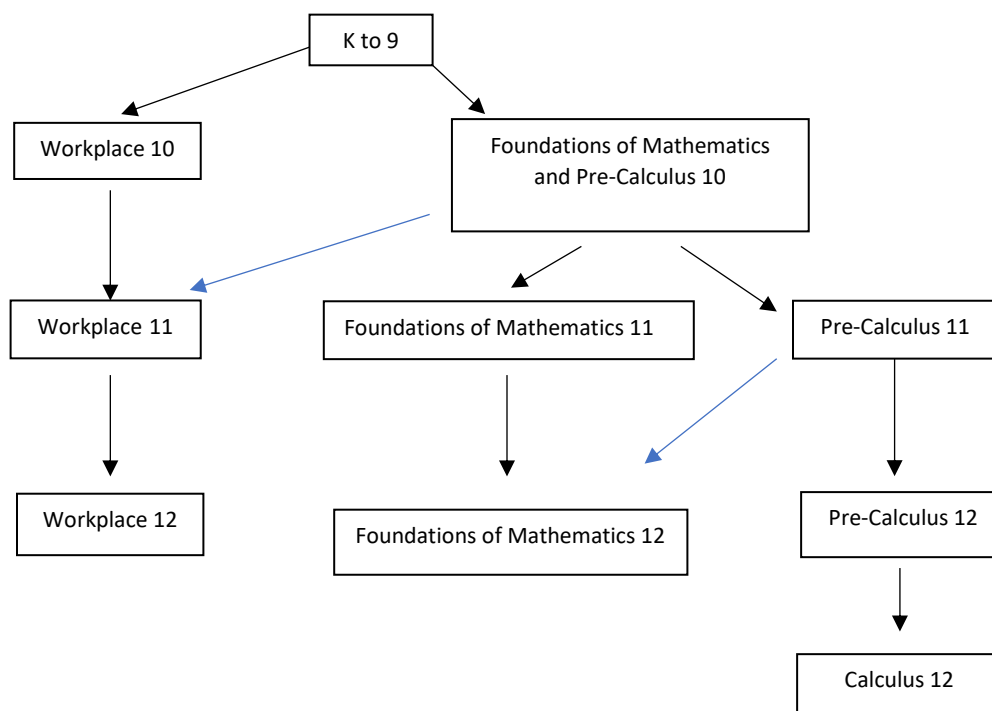
Absolutely! Counsellors can assist you in determining the best course fit for you based on your current Math achievement and your post-secondary plans. As well, your grade 10 Math teacher will indicate a recommended Grade 11 course on your Final Report Card; this recommendation will be helpful to you as we want you to achieve the highest possible understanding in math and we want to set you up for the most success. Parents and students are always welcome to contact the Math Department for more guidance and information.

PLEASE NOTE: For additional information on selecting the most suitable course, please follow this link to a letter from our Math Department on [Considerations for Selecting your Math Course](#).

Math 11 Information and Flow Chart

	Is it a graduation requirement?	Difficulty level (compared to Foundations 10)	Post-Secondary Programs (Generally)	Student workload
Workplace 11	Yes	A little easier	Very few	Expect about 30 minutes a week outside of class
Foundations 11	Yes	About the same	University Arts, some Trades	Expect about 20 minutes a day outside of class
Pre-Calculus 11	Yes	Quite difficult	University Sciences, some Business and some Trades	Expect about 45 minutes a day outside of class

Math Flow Chart



Physical and Health Education

In senior Physical Education courses, students will have an opportunity to participate in a variety of optional activities that have an added cost associated with them. Letters will be sent home at the beginning of the year to outline these optional activities and their associated costs.

Physical and Health Education 9

This is a comprehensive course in which students will develop an understanding of physical literacy and an appreciation of lifelong participation in physical activity by engaging in individual, dual, and team physical activities. Students will also explore factors that contribute to healthy relationships and to physical, emotional, and mental well-being.

Physical and Health Education 10

This is a comprehensive course designed to continue developing a positive attitude towards lifelong physical activity within students. Students will engage in a variety of healthy living pursuits including team, individual, and dual activities. Students will also strengthen their physical literacy vocabulary, understand the importance of healthy and active living, learn to build and develop social and community health, and to foster positive mental well-being.

Active Living 11 (PE)

Students will explore a variety of physical activities and pursuits, both on-site and in the community. They will also learn an appreciation for the importance of planning, safety, organization, and injury prevention in their pursuit of lifelong participation and enjoyment in physical activity. **Note: This course is subject to an optional course fee of \$65 to provide for off-campus activities and guest instructors.**

Active Living 12 (PE)

Students will explore a variety of physical activities and pursuits, both on-site and in the community. They will also learn an appreciation for the importance of planning, safety, organization, and injury prevention in their pursuit of lifelong participation and enjoyment in physical activity. **Note: This course is subject to an optional course fee of \$65 to provide for off-campus activities and guest instructors.**

Fitness and Conditioning 11/12 (Weight Training)

Fitness and Conditioning 11 and 12 will introduce students to both health-related and skill-related components of physical fitness. Students will learn safe and proper training methods and techniques to develop each component while also learning a variety of training principles to achieve their fitness goals.

Fitness and Conditioning 11/12 for Women (Open to any grade 11 or 12 female student)

Fitness and Conditioning 11 and 12 is a course that introduces a variety of fitness pursuits traditionally enjoyed by females. These activities include spin cycling, aerobics, step aerobics, martial arts oriented fitness, running, hiking, and yoga as well as less

traditional activities like Aquafit and Zumba. Students also learn the fundamentals of muscular conditioning in activities like weight training and yoga, as well as circuit training using a variety of contemporary fitness equipment. They will also learn fitness theory which will cover muscles, bones, energy systems, nutrition, flexibility, the cardiovascular system, and movement analysis as they complete the first half of the CFES accredited fitness certification course. They will use this knowledge to create and participate in an independent fitness program geared to their personal fitness goals. "Before and after" results will determine in large part the student's term mark. **Note: This course is subject to an optional \$40 course fee to provide for off-campus activities and guest instructors.**

Science

Science 9

Science 9 has been designed around four big ideas: cells are derived from cell; the electron arrangement of atoms impacts their chemical nature; electricity is the flow of electrons; the biosphere, geosphere, hydrosphere, and atmosphere are interconnected, as matter cycles and energy flows through them. The course will use a variety of learning strategies such as laboratory work, projects and innovative uses of technology.

Math & Science 10 Bridge

This first semester course is designed for students who have worked hard in Math 9 and Science 9 but either did not pass, or did pass but still lack sufficient mathematical and foundational understanding to be successful at the next level. It is predominately a Math 10 preview class where students work through portions of Math 10 curriculum at a slower pace in order to allow extra time with concepts. This process also allows individual assessment and practice to fill gaps in learning. The Science area focuses on Chemistry as this is a foundational skill set for Science 10. Successful completion of the course allows students to move on to the grade 10 Math (either Workplace or Foundations and Pre-Calc) and Science courses in semester two. **NOTE:** Students must be recommended for this course by their counsellor (in consultation with the Math and Science departments).

Science 10

This course is designed around four big ideas: genes are the foundation for the diversity of living things; chemical processes require energy change as atoms are rearranged; energy is conserved and its transformation can affect living things and the environment; the formation of the universe can be explained by the big bang theory. Learning strategies such as laboratory work, projects and innovative uses of technology will be used.

Biology 11

Biology 11 introduces students to the diverse adaptations and ecological relationships of a variety of living organisms. The course addresses microbiology, mycology, plant biology, animal biology and evolutionary change. Themes of observation, perspective, reflection and evidence-based research skills will be emphasized throughout, both in class and through work within the local environment and field trips. Students will apply their learning to issues impacting the world today. Laboratory activities and field work are an integral part of this course which will both reinforce the concepts and give students hands-on experience in the course themes.

Chemistry 11

This laboratory-oriented course introduces students to scientific methods of experimentation. It emphasizes measurement, atomic structure, chemical reactions, chemical calculations, solution chemistry and organic chemistry. Students should feel confident in their mathematical ability before choosing this elective.

Earth Science 11

Earth Science 11 is designed as an introduction to astronomy, geology, meteorology, and oceanography. The topics include interstellar astronomy, the solar system, rocks and minerals, plate tectonics, erosion, the atmosphere, weather and basic oceanography. It is a laboratory-oriented course involving field trips, classroom assignments and project work.

Physics 11

This course will enable students to appreciate the role of physics in society, and will encourage them to develop skills employed by physicists. The topics of kinematics and dynamics form the foundation for this course. Motion, energy, relativity, nuclear energy and optics are also explored. Students should be comfortable with their mathematical ability before choosing this course.

Integrated Physics and Chemistry 11(IPC 11)

Integrated Physics and Chemistry 11 is designed to introduce students to the basic concepts of Physics and Chemistry as well as the foundational skills required for the upper level courses in both subjects. Laboratory activities and in-class discussions are an integral part of this course. They will not only reinforce the concepts but also provide students hands-on experience in making inferences and predictions, collecting data and drawing conclusions. IPC 11 will be scheduled for two consecutive blocks in the first semester. With this flexibility, students will be able to conduct more in-depth investigations through experimentation and projects. **(Application required)**

Science & Technology 11

This course will concentrate on past, present and future applications of science in our society. The two core areas of the course include the nature and interaction of Science and Technology as well as computers and Information Technology. The themes of these two areas are reinforced by optional modules such as Resource Management and Environmental Planning, Medicine, Health and Technology, Criminal Investigation Technology, and Construction and Transportation Technology. This course will focus on science and technology in British Columbia, and will involve mostly small group interactions and class projects. There is also an extensive fieldwork component for about two months of the course. This course will fulfill the Science 11 requirement for graduation but not for university entrance.

Biology 12– CHOOSE ONE:**Biology 12 – Current Curriculum**

Biology 12 is designed for students interested in continuing their studies in the field of biological sciences. The course is a continuation of topics introduced in Biology 11 and encompasses two major topics of study: cellular biology and human physiology. Areas of concentration in cellular biology will focus on cell structure, cell compounds, biological molecules, DNA, and protein synthesis. The human physiology unit will emphasize the seven major body systems: circulatory, digestive, respiratory, nervous, urinary, excretory and reproductive. Highly recommended for students to have Biology 11 and Chemistry 11 - a minimum of C+ in both.

OR

Biology 12 – New Curriculum (Anatomy and Physiology)

Anatomy and Physiology is designed to introduce students to the structures and functions of the human body, as well as to study how the body works to maintain balance. Some emphasis will be placed on comparing human anatomy and physiology with that of other animals. Themes of observation, problem solving, reflection and evidence-based research skills will be emphasized throughout. Students will apply their learning to issues of medicine and disease, fitness, reproductive technologies and health related

current issues. Laboratory activities are an integral part of this course which will not only reinforce the concepts but also give students hands-on experience working with the aforementioned themes.

Chemistry 12

Chemistry 12 builds on students' experiences in Chemistry 11 and has an emphasis on the many ways in which atoms, molecules, and ions interact. The five main areas of learning are rates of chemical reactions, chemical equilibrium, analysis of ions in solution, acid-base chemistry and electro-chemistry. Students will gain an increased understanding of the importance of chemistry in the modern world.

Geology 12

This course combines all the sciences together in a detailed study of the Earth. Students will learn how the earth is constantly being built up through various mountain building processes (volcanoes, plate collisions) and torn down by erosion (glaciers, streams, etc.) and how to identify the rock types that result. Students will learn details about the interior of the Earth and how this knowledge was attained. Through their studies, students will gain a deeper understanding of the geological formation of BC and the geological history of Earth based on the interpretation of the fossil record. The Earth will also be compared to other planets in the Solar System with the goal of better understanding our home planet. Field studies and labs are an integral part of the course.

Physics 12

This course is intended to provide students with a thorough grounding in the discipline of physics. The treatment of the course topics is mathematically rigorous and students are expected to have a strong grounding in Mathematics. The course concentrates on two basic areas of physics that are essential for studies in the physical or applied sciences: mechanics and electromagnetism. Topics covered include motion in two dimensions, forces, equilibrium, charges, currents, magnetism, and induction.

Chemistry 12 AP (New!)

Chemistry 12 AP is a rigorous and academically challenging course. In this course, we will explore all the Chemistry 12 topics in greater depth. Students will develop their skills in logic, critical thinking, written and oral communications, and problem solving while going beyond the high school chemistry course concepts. Students with qualifying AP Exam* scores can earn credit, advanced placement, or both at the majority of colleges and universities in the US and Canada. This course is offered in the first semester only. **(Application Required).** Prerequisite: Chemistry 11 and Pre-Calculus 11 (86% or higher). Recommended Prerequisite: Pre-Calculus 12 as a co-requisite.

*AP exams are college-level tests administered by The College Board.

Second Languages

French 9

This course builds on what students have learned in French 8. Areas of focus in the Grade 9 year include: using an increasing range of commonly used vocabulary and sentence structures for conveying meaning; deriving meaning from a variety of texts; using a growing variety of strategies to increase understanding; exchanging ideas and information using complete sentences, orally and in writing; and engaging with Francophone communities, people, or experiences.

Spanish 9

This introductory course focuses on effective communication. Through a variety of activities, speaking, listening, reading and writing skills will be developed. Cultural activities will examine life in the countries of the Spanish-speaking world. Note: This course is not intended for native speakers of Spanish.

French 10

This course builds on what students have learned in Core French 9. Areas of focus in the Grade 10 year include: expressing oneself with growing fluency using an increasing range of commonly used vocabulary, sentence structures, and timeframes; using a growing number of strategies to derive and negotiate meaning; deriving meaning from a variety of simple texts; recognizing how cultural identity is expressed through francophone texts and creative works as well as contributions of francophone Canadians to society; and engaging with francophone communities, people and experiences.

Spanish 10

Spanish 10 builds on the concepts taught in Spanish 9. The course aims to develop further the student's ability to communicate in Spanish. This course continues the exploration of the cultures of the Spanish-speaking world. Note: This course is not intended for native speakers of Spanish.

French 11

This course builds on what students have learned in French 10. Areas of focus in the Grade 11 year include: expressing oneself with growing fluency using a range of increasingly complex vocabulary, sentence structures, and timeframes; adjusting the register and word choice to reflect different purposes; exploring and responding to a variety of texts (including written, oral and

visual texts); recognizing connections between language and culture; and engaging with francophone communities, people, or experiences.

Introductory Spanish 11

Spanish 11 is open to students in grades 10, 11 and 12 and is an intensive course that combines in one semester curricula normally covered in Spanish 9 and Spanish 10. It aims to develop reading, writing, listening and speaking skills at a beginner level. The emphasis in this program is on effective communication in Spanish. This course is designed to provide the student with awareness and appreciation of Hispanic cultures and traditions. Note: This course is not intended for native speakers of Spanish.

Spanish 11

Spanish 11 develops the student's skills in listening, speaking, reading and writing. Spanish culture and literature will also be discussed during the course. Note: This course is not intended for students whose first language is Spanish. Native speakers are encouraged to write the challenge exam for Spanish 11 credit.

French 12

This course builds on what students have learned in French 11. Areas of focus in the Grade 12 year include: expressing oneself effectively, with fluency and accuracy using complex vocabulary, sentence structures, and timeframes; exploring, interpreting and responding to a wide variety of texts (including written, oral and visual texts); recognizing and explaining connections between language and culture; engaging with francophone communities, people and experiences; and identifying and exploring opportunities to continue language acquisition beyond graduation. This course also prepares students for the DELF exam (Diplôme d'études de langue française).

Spanish 12

Spanish 12 builds and allows students to practice grammar and vocabulary skills learned in Spanish 9 through 11. Emphasis is placed on understanding and speaking Spanish in the classroom. Students participate in weekly cultural activities to expand their knowledge of the Spanish speaking world as well as to provide the setting for students to speak Spanish. Students who speak Spanish at a fluent level are also encouraged to take this course.

Service Courses

Leadership 11

Open to Grades 10 – 12

This course focuses on a comparison of leadership styles. Emphasis will be on improving and developing decision-making skills, communication and organizational skills. The class will be responsible for the planning and implementation of school activities related to intramurals, school culture and spirit, and community service.

Leadership 12

Students will have an opportunity to extend their leadership skills with an in-depth focus on a particular style. They are expected to be highly involved in the organization and implementation of a variety of school activities as well as mentoring the younger students. Prerequisite: Leadership 11.

Athletic Leadership 11/12

This course is designed for students who have an active interest in sport leadership. Students are provided the opportunity to develop their individual and collective leadership skills in a variety of

athletic settings. The planning and organization of tournaments for elementary and middle school students is a major component of this course. It is a linear course that runs part-time in block 5, semester 1 and periodically after school. Priority will be given to students who are involved in a school sports team or who have demonstrated exemplary citizenship at Charles Best.

Peer Tutoring 11

This course is offered to conscientious students who enjoy helping others. Under the supervision of school staff members, peer tutors assist students in one or more curricular areas.

Peer Tutoring 12

This course is offered to conscientious students who enjoy helping others. Peer tutors assist students in one or more curricular areas: ESL, Skill Development, the LRC or in traditional classrooms. Students contemplating careers in teaching, medicine, social or community work would benefit from tutoring experience. Prerequisite: Tutoring 11.

Social Studies

In Social Studies courses, students learn about history, geography, political science and economics. Students consider topics from multiple perspectives, and learn to question the justification and evidence for the interpretations of events and issues. The primary goal of Social Studies education is to give students the knowledge, skills, and competencies to be active, informed citizens who are able to think critically, understand and explain the perspectives of others, make judgments, and communicate ideas effectively.

In order to meet the graduation requirement for Social Studies, students must complete the following:

- Social Studies 9
- Social Studies 10
- **at least one** of the following courses in **either** Grade 11 or Grade 12:
 - Comparative Cultures 12
 - 20th Century World History 12
 - Law Studies 12
 - Physical Geography 12
 - Social Justice 12

Social Studies 9

This course focuses on the development of Canada from 1750 to 1900. Students will examine how Canada went from being a colony to a nation, studying the impact of the immigration of many people to Canada and the settlement of the west, industrialization and the building of the CPR. These changes will be considered from the perspective of impact on Aboriginal peoples and communities. In Social Studies courses, students learn about history, geography, political science and economics. Students will consider topics from multiple perspectives, and learn to question the justification and evidence for the interpretations of events and issues. The primary goal of Social Studies education is to give students the knowledge,

skills, and competencies to be active, informed citizens who can think critically, understand and explain the perspectives of others, make judgments, and communicate ideas effectively.

Social Studies 10

This course focuses on Canada from 1900 to the present day, considering how events occurring within Canada have defined the country, how Canada's involvement globally has shaped Canadian identity, and how historical and contemporary injustices challenge it. Students will also study the geographical features of Canada, the nation's government structure, and its political and legal systems. In Social Studies courses, students learn about history, geography, political science and economics. Students will consider topics from

multiple perspectives, and learn to question the justification and evidence for the interpretations of events and issues. The primary goal of Social Studies education is to give students the knowledge, skills, and competencies to be active, informed citizens who are able to think critically, understand and explain the perspectives of others, make judgments, and communicate ideas effectively.

Comparative Cultures 12

This course is designed to give students an understanding and appreciation of several civilizations from around the world. Students will be asked to show how cultures are expressed through belief systems, the arts, and government organization. Students will evaluate multiple sources to understand that knowledge of one's culture enhances understanding of others. The importance of different perspectives when studying belief systems, political structures and other power dynamics will be addressed. Some of the Civilizations considered in this course are Early Man, Mesopotamia, Egypt, Greece, and the Inca. The focus of investigation will be on art, architecture, philosophy, government and daily life. Students will learn about the topics through traditional instruction as well as creating art, class discussions and presentations.

Physical Geography 12

Physical Geography 12 examines how the earth functions -- in the air, on the ground, under the ground, and among living things. This course examines how humans adapt to and alter the physical environments around them. Students will explore how humans have special attachments and utilize certain areas in specific ways, while considering our connection to the world. This course will analyze, interpret and apply geographical data from a variety of sources to provide an understanding of the interactions between the Earth's four spheres. In Physical Geography 12, we will assess the significance of people, places, events and developments to determine the historical significance of a particular time and place. This will help explain why geography is important. Students will assess how the actions of individuals and groups affect events, decisions and developments. Using geographic inquiry, students will question, gather, interpret, and analyze the data to communicate their findings.

20th Century World History 12

20th Century World History 12 covers the most significant global events of the 20th century and develops student's skills as a historian. This is a challenging course and is a university approved course. Students will examine themes such as how nationalism can bring down imperialism as well as introduce new political and economic structures. The development of various technologies were drivers for change throughout the twentieth century. Students should leave the course understanding the importance of respecting various opinions. As well, students will develop analytical skills from varied sources and will be able to make

reasonable ethical judgments on historical events. Some of the topics covered may be the Great Depression, WW11, the Holocaust, Russian Revolutions, Communist China, the Cold War, the Vietnam War, First Persian Gulf War, Conflict in the Middle East, and the South African Apartheid.

Law Studies 12

This course is designed to provide students with an understanding of the Canadian legal system and the concept of justice. Students will consider how our legal system has evolved over time and how it reflects Canadian society. Current legal issues will be examined to determine the impact our legal system has in society. Students will consider topics from multiple perspectives, and learn to question the justification and evidence for the interpretations of events and issues. The primary goal of Social Studies education is to give students the knowledge, skills, and competencies to be active, informed citizens who are able to think critically, understand and explain the perspectives of others, make judgments, and communicate ideas effectively.

Social Justice 12

This course focuses on social justice issues. The aim of the course is to increase the understanding of concepts, principles and/or theories regarding issues of marginalization and disenfranchisement which have an impact on understanding and communication between and among people from different racial, ethnic, ability, religious, cultural, gender, sexual orientation and socio- economic class backgrounds. Students will be expected to ask questions to gather evidence from multiple sources and perspectives to gain understanding that Social Justice issues are interconnected. Students will understand that their worldviews shape their understanding of social justice and form an opinion on how to act on those views. Students will learn how past injustices by governments continue to cause marginalization and what responsibilities modern society has to correct those lasting impacts.

Psychology 12 AP

This course is an Advanced Placement course on human behaviour and mental processes. Psychology evaluates competing ideas with careful observation and rigorous analysis to describe and explain human behaviour. This course is a comprehensive study of Psychology, providing students with an understanding of the various fields within this subject. Students will consider topics from multiple perspectives, and learn to question the justification and evidence for the interpretations of the Psychological research. Psychology 12 will give students the knowledge, skills, and competencies to understand why humans think and behave in certain ways depending upon the situation. Students will develop critical thinking, essay writing, research methods, academic reading and oral presentation skills.

Career Preparation Program

In addition to the trades, the Coquitlam School District offers a number of other programs for Coquitlam Students. Please see the chart below for information about the opportunities offered to Coquitlam Students.

2018-19 Trades Training Programs: [for students still attending high school]

For more information and applications, visit: 43Careers.com

or email: CareerPrograms@sd43.bc.ca

TRADE PROGRAM	PROGRAM DETAILS				MINIMUM REQUIREMENTS
	Grade	Cost	Time	Location	
Automotive Service Technician	gr 12 (16 seats)	≅ \$400	Sem 2	Centennial	<ul style="list-style-type: none"> Automotive 11 <u>and</u> Automotive 12 (C+) English 12 any Math 11 (C+)
Automotive Collision Repairer	gr 12 (1-2 seats)	≅ \$800	30 weeks beginning in late September (Mon – Thurs)	VCC (Broadway)	<ul style="list-style-type: none"> English 11... plan for completing English 12 any Math 11 (C+)
Automotive Refinishing Prep. Tech.	gr 12 (1-2 seats)	≅ \$800	Sem 2 (Mon – Thurs)	VCC (Broadway)	<ul style="list-style-type: none"> English 12 any Math 11 (C+)
Baker	gr 11 & 12 (1 - 2 seats)	≅ \$1,200	Sem 1 (Mon – Thurs 1.00pm – 7.30pm)	VCC (Downtown)	<ul style="list-style-type: none"> English 11 any Math 11 (C+) Food Safe Level 1
Bricklayer	gr 12 (6 seats)	≅ \$275	Sem 1 (Mon – Thurs)	Thomas Haney Sec. (Maple Ridge)	<ul style="list-style-type: none"> English 11 any Math 11 (C+)
Carpenter	gr 11 & 12 (16 seats)	≅ \$275	Sem 2	Terry Fox + BCIT (6 weeks)	<ul style="list-style-type: none"> English 11 Woodworking 11 (and ideally Woodworking 12) any Math 11 (C+)
(Professional) Cook	gr 11 & 12 (6-8 seats per site)	≅ \$375	Sem 2	Two options: Gleneagle or Centennial	<ul style="list-style-type: none"> English 11 <u>and</u> Food Safe Level 1 2 Cooking courses: Cook Train 11, Cook Train 12, Foods & Nut. 11, and/or Foods & Nut. 12
Electrician	gr 11 & 12 (18 seats)	≅ \$300	Sem 1	Dr. Charles Best	<ul style="list-style-type: none"> English 11 Math 11 Foundations Physics 11
Hairstylist	gr 12 (1-2 seats per intake)	≅ \$3,000	10 months (4 intakes: Sept, Jan, Mar, May)	VCC (Downtown)	<ul style="list-style-type: none"> Full completion of grade 11 plan for completing English 12
Heavy Duty Mechanic	gr 12 (1-2 seats per intake)	≅ \$1,500	36 weeks (4 intakes: Sept, Nov, Apr, July)... Mon - Thu	VCC (Annacis Island)	<ul style="list-style-type: none"> Full completion of grade 11... plan for English 12 Automotive 11 <u>and</u> Automotive 12 (C+) any Math 11 (C+)
Cabinet Maker (Joiner)	gr 12 (1 seat per intake)	≅ \$800	26 weeks (2 intakes: Oct + Mar)	BCIT (Burnaby)	<ul style="list-style-type: none"> Full completion of grade 11... plan for English 12 Woodworking 11 <u>and</u> Woodworking 12 (C+) any Math 11 (C+)
Metal Fabricator	gr 12 (2-3 seats)	≅ \$350	Sem 2	BCIT (Burnaby)	<ul style="list-style-type: none"> Full completion of grade 11 <u>and</u> English 12 any Math 11 (C+) Metal 11 (and ideally Metal 12)
Millwright	gr 12 (1 - 2 seats)	≅ \$1,200	Sem 2	BCIT (Burnaby) <u>or</u> KPU (Cloverdale)	<ul style="list-style-type: none"> Full completion of grade 11 <u>and</u> English 12 any Math 11 (C+)
Motorcycle Mechanic	gr 12 (1 - 2 seats)	≅ \$500	Sem 2	BCIT (Burnaby)	<ul style="list-style-type: none"> Full completion of grade 11 <u>and</u> English 12 any Math 11 (C+)

(commercial) <u>Painter</u>	gr 11 & 12 (3 seats)	\$0	6 weeks... beginning in mid-June	Finishing Trades Institute (Surrey)	<ul style="list-style-type: none"> ▪ Full completion of grade 11
<u>Plumber</u>	gr 12 (6 seats)	\$0	6 weeks... beginning in mid-June	Piping Indus. Coll. (Annacis Island)	<ul style="list-style-type: none"> ▪ Full completion of grade 11 ▪ any Math 11 (C+) ▪ Work Experience 12 – with a “plumbing’ placement
<u>Refrigeration Mechanic</u> (new – Sept 2018)	gr 12 (1 - 2 seats)	≅ \$800	19 weeks... beginning in late-Sept to mid-Feb	Joint Apprentices Refrig. Train. School (JARTS)	<ul style="list-style-type: none"> ▪ Full completion of grade 11, <u>plus</u> a plan for Eng 12 ▪ Math 11 Foundations (C+) ▪ Physics 11
<u>Sheet Metal Worker</u>	gr 12 (1 seat)	≅ \$500	Sem 1	BCIT (Burnaby)	<ul style="list-style-type: none"> ▪ Full completion of grade 11 ▪ any Math 11 (C+)

Research shows that students who engage in a Career Preparation Program have a better graduation rate, find school to be more relevant, and do better in academic courses than students who do not participate in a Career Preparation Program. At Dr. Charles Best, we recognize this and strive to provide a wide variety of programs to address the career objectives of our students. There are three categories of Career Preparation Programs:

- **Work Experience**
- **Secondary School Apprenticeship (Trades Work Program)**
- **ACE IT Trade Preparation Programs – Camosun College (Trades Training Program)**

For up-to-date information on these and other program offerings in School District 43, please refer to the Career and Trades Programs Website at the following link: [Career and Trades Programs](#) or visit our YouTube channel