

Heritage Woods Secondary



Come and see this year's musical

HERITAGE WOODS SECONDARY PRESENTS

ROCK OF AGES

HIGH SCHOOL EDITION TM

BOOK BY CHRIS D'ARIENZO
ARRANGEMENT AND ORCHESTRATIONS BY ETHAN POPP

MAY 4, 5, 11, 12 7:30PM
ADULTS: \$12 STUDENTS: \$10

HERITAGE WOODS SECONDARY, 1300 DAVID AVE
PORT MOODY, 604-461-8679

DIRECTOR: SHANDA WALTERS. MUSICAL DIRECTOR: HAYLEY PERKINS.
CHOREOGRAPHERS: MARLO DE VAAL, SOFIA SLATER & EMMA WATSON.
POSTER DESIGN BY TREVOR WALLS & MARCUS JUNG. "ROCK OF AGES
(HIGH SCHOOL EDITION)" IS PRESENTED BY SPECIAL
ARRANGEMENT WITH SAMUEL FRENCH, INC.

Course Request Booklet

2018-2019

Heritage Woods Secondary School

Home of the Kodiaks

At Heritage Woods, we will create the challenges and supports
to achieve success for every student.

1300 David Avenue Port Moody, B.C. V3H 5K6

Telephone: (604) 461-8679 Fax: (604) 937-8055

Website: www.heritagewoods.sd43.bc.ca

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* English as an Additional Language (EAL) was formerly known as English as a Second Language (ESL).

SCHOOL DISTRICT NO. 43 (COQUITLAM)

Mrs. Patricia Gartland, Superintendent of Schools

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MESSAGE FROM THE ADMINISTRATIVE TEAM

Welcome to Heritage Woods Secondary School. Whether you are new to Heritage Woods, or if you are a returning student, we know that a great year filled with wonderful experiences and opportunities awaits you!

At Heritage Woods, our exceptional staff continues to create courses and instructional methods that will help to prepare you for your life after high school. Heritage Woods is an exciting and dynamic secondary school with tremendous curricular and extra-curricular opportunities.

We encourage you to take on new challenges in both curricular and non-curricular areas to find your passion in life. We challenge students to choose courses that will keep as many post-secondary options open as possible and to choose courses that will broaden your horizons into the future. We also ask that you choose thoughtfully as we build timetables and hire staff according to the selections you make. Consequently, there will be few opportunities to change your selections during the school year.

Heritage Woods Secondary is an incredible facility in terms of its natural setting, architecture and technology features. What makes this an incredible school is the people – an amazing staff, students, parents and community provide the support required for all to succeed and pursue their dreams.

We are excited about the upcoming year and look forward to helping you on your way to achieving your goals and dreams. Welcome to the home of the Kodiaks!

Mr. T. Clerkson, Principal
Mrs. J. Reid, Vice Principal
Ms. M. Rai, Vice Principal
Mr. M. Rao, Vice Principal

EDUCATIONAL PLANNING

Planning for Success

As a student at Heritage Woods Secondary School the path to future success relies on your active involvement. The key to success is you! Good planning takes time and thought. Your course selection is an important decision. Discuss your goals with your parents and counsellor.

Many opportunities are available here at Heritage Woods Secondary School. Make your high school years challenging as well as enjoyable.

- **The information that you provide is used to build our master timetable and hire teaching staff.**
- Every effort will be made to provide you with the courses that you have selected.
- **Due to various timetable constraints, your initial course requests may have to change.**
- Grade 9-12 students are all expected to take **8 courses per year.**
- **It is not possible to repeat courses or upgrade marks during Semester 2.** The opportunity for repeating courses or improving marks is available through the following:
 - o Online learning opportunities: visit <http://online.sd43.bc.ca>
 - o Summer School District #43 (Coquitlam)
 - o Continuing Education
 - o Distance Education

**MORE INFORMATION ABOUT ALL DISTRICT PROGRAMS CAN BE VIEWED AT
www.sd43.bc.ca**

COURSE			
Grade 9	Grade 10	Grade 11	Grade 12
<p>Students in Grade 9 are required to take a minimum of 8 courses. Please see the Course Planning Sheet for more information.</p> <p>The general courses grade 9s require are as follows:</p> <p>English 9, Mathematics 9, Social Studies 9, Science 9, PHE 9, Three (3) electives, Daily Physical Activity – (see page 5 for details)</p>	<p>Students in Grade 10 are required to take a minimum of 8 courses. Please see the Course Planning Sheet for more information.</p> <p>The general courses grade 10s require are as follows:</p> <p>English 10, Any Mathematics 10, Social Studies 10, Science 10, Career and Life Ed 10, PHE 10, Two (2) electives, Daily Physical Activity – (see page 5 for details)</p>	<p>Students in Grade 11 are required to take a minimum of 8 courses. Please see the Course Planning Sheet for information.</p> <p>The general courses grade 11s require from are as follows:</p> <p>English 11 or Communications 11 Any Mathematics 11, Any Science 11, Four (4) electives,</p> <p>*Grade 11s may take one of the Social Studies 12 Courses listed below (as a result of changes related to the implementation of the new curriculum, Socials 11 will not be offered this year)</p> <p>* Political Studies 12 * Human Geography 12 * Comparative Cultures 12</p> <p>Although “Graduation Transitions” is not on their timetable, Grade 11 students are encouraged to start working on the assignments.</p>	<p>Students in Grade 12 are required to take a minimum of 8 courses.</p> <p>A reminder to students that in order to meet Graduation requirements, the 80 credits must include completion of the following:</p> <p>English 12 or Communications 12, A Social Studies 12 course (if you have not taken one in Grade 11) 3 other Grade 12 courses, Graduation Transitions, Daily Physical Activity – (see page 5 for details)</p> <p>To meet the Graduation Transitions requirements students will complete the assignments on their own time. The assignments are available on the Grad Transitions portal.</p>

****Please note that Graduation requires a Fine Arts (FA) or Applied Skills (AS) course (taken in grade 10, 11 or 12)**

HONOURS COURSES

Qualified students may enrol in Honours courses in English and Mathematics which are designed to provide a challenging, enriched learning experience in an environment of similar ability peers.

Students entering the Honours Program from middle school should expect to be challenged by the course work and will need a strong commitment to their studies in order to succeed. Many students, whether in regular or Honours courses, encounter a greater degree of demand in the transition from middle school to secondary. Teachers of Honours courses will ensure that course marks accurately reflect the ability of students. At any point in a student's progress through the grades, he or she has the option of moving out of Honours and into a regular class the following school year. Alternatively, a student who has not taken Honours courses in the junior grades may opt to take the Honours courses in senior grades if provided with a teacher and counsellor recommendation.

- Mathematics 9/10 Accelerated – students will receive credit for grade 10 math after successful completion of this course -- entrance exam required
- Calculus 12 AP – prerequisite is Principles of Math 12
- English 11 Honours – teacher recommendation
- English 12 Honours – teacher recommendation
- Psychology 12 AP- teacher recommendation

Note: Honours designation will not appear on transcripts; AP designation will only appear on transcripts of those students who pass the AP exam.

RECOGNITION OF EXTERNAL CREDITS

Information on the following programs is available from any counsellor and at http://www.bced.gov.bc.ca/policy/policies/earning_credit_through.htm

Challenge

Challenge is a process for assessing the relevant knowledge and skills that students have gained elsewhere in formal school settings. Interested students must see their counsellor.

Equivalency

Equivalency recognizes documented prior learning from outside the British Columbia school system which the Ministry of Education deems equivalent to the learning outcomes of certain courses. In order to qualify for equivalency, courses presented for transfer must meet 80% of the B.C. Ministry of Education Learning Outcomes. For further information regarding Equivalency, students should speak with their school counsellor.

External Credentials

The Ministry of Education, Skills and Training approves certificates from outside the British Columbia school system for recognized credit. Programs such as Cadets, 4-H, Royal Conservatory of Music certificates, Driver Education, Language certificates, National Coaching certification programs, Provincial and National team memberships, first aid, etc. may qualify. To have these courses recognized, students must submit required certificates, transcripts and other documentation to the school as proof of completion. Students will not receive a letter grade or a percentage mark; however, graduation credits will be granted and recorded on their school transcript. For further information students should speak with their school counsellor.

COUNSELLING SERVICES

The School Counselling Team is comprised of three full-time counsellors, a career facilitator and a school youth worker. A student will have the same counsellor for all four years they are here at Heritage Woods. Students are assigned to a counsellor according to their legal last name.

A to G	Mrs. Shaunna Martin	smartin@sd43.bc.ca
H to N	Mr. Paul Gangnes	pgangnes@sd43.bc.ca
O to Z	Mr. Curt Dewolff	cdewolff@sd43.bc.ca

The career facilitator is available to students of all grades and to their families to assist with career and post-secondary explorations. The school youth worker is available to all students as well.

Course selection and timetable concerns are handled by your school counsellor. When students want to discuss personal issues, they can choose to contact their counsellor or the school youth worker. School counsellors and the youth worker are required to abide by the legal limits of confidentiality when working with a student and his or her family.

We encourage all students and parents to contact their assigned school counsellor via email at any time to address any questions or concerns they may have.

LEARNING RESOURCE CENTRE

Resource Class

The goal of Resource is to provide students with the skills, strategies and confidence to help them be as successful as possible in their courses. The support team provides instruction in learning theories, Habits of Successful People, Study skills and test-taking strategies are taught in order to enhance student understanding and achievement. Students will be given time each day to receive clarification and extra help in their current course work. Counsellors and teachers may strongly recommend this course for students showing consistent difficulties in course work. We suggest students register for support time in the same semester as their most challenging academic courses.

This is a non-credit support time that can be taken with teacher or counsellor recommendation.

GRADE 9 PROGRAM

Grade 9 students take nine courses over the year, and are enrolled in four classes every day.

1. Required Courses:

- English 9
- Math 9 or Math 9 Accelerated
- Social Studies 9
- Science 9
- PHE 9
- Digital Literacy 9

2. Three electives

TOTAL: 8 courses

COURSE DESCRIPTIONS GRADE 9

ART

ART FOUNDATIONS 9

Students will develop basic skills in drawing, painting, collage, ceramics, sculpture, printmaking and graphic design. Experienced and beginning art students will benefit from grounding in important art and design principles while developing their personal style.

PHOTOGRAPHY 9

A unique course combining the power of photography with the control of digital editing, Photo 9 gives students the opportunity to work with professional digital SLR cameras and Apple computers to create high quality printed images. This class introduces camera functions, aperture and shutter speeds, Adobe Photoshop, effects and image editing. Students will also learn colour theory, composition techniques, and the 'Elements & Principles of Design'. The semester ends with the creation of an online digital portfolio that can be shared with friends and family.

BUSINESS EDUCATION

BUSINESS TECHNOLOGY 9

Ever dreamed of running your own company? Being the boss? Counting huge profits? Then, Business Technology 9 is the course for you. Here you will learn basic business fundamentals like marketing, economics, communications, finance, and investing. In this computer based course, students will learn to explore, promote and expand their business through a series of individual and group projects. In the final project, students will be expected to run their own in-school company for a few days and then analyze the results.

DANCE

DANCE 9

This course is designed to provide students with the opportunity to express themselves through movement and to develop critical-thinking skills through the creative process of dance. Students of all dance abilities are welcome! Whether you have little to no experience, or you have been dancing all your life, you will thoroughly enjoy this course. Several different forms of dance will be explored such as hip hop, jazz, street jazz, lyrical jazz, ballet and contemporary. Strengthening and stretching classes will also occur on a regular basis. Students will participate in a number of performances throughout the semester as well as the semester end final performance. Students will perform a group number in addition to their own self-choreographed dance(s). Students will get to choose the style, music, lighting and costumes. This course is an excellent outlet for anyone interested in dance.

DIGITAL LITERACY 9

All Grade 9s will take this course and receive 4 grade ten credits. The material for this course will be embedded and delivered in English 9 and Science 9 classes. The teachers for this course will work together with the English and Science teachers to add a digital element to their courses. The goal is to teach students digital fluencies which will enhance their learning while also teaching them about ethical on-line behaviour and internet safety.

*The course will also include the development of Edu-Blogs of an on-line portfolio which students will build on over their 4 years at HWSS and culminate with their Capstone Project in their Grade 12 year. We also expect to use a similar platform to document students' self-assessments of Core Competencies.

*All grade 9 students are strongly encouraged to bring a laptop or tablet as part of their school supplies.

ENGLISH

ENGLISH 9

This course will continue the study of all literary genres: poetry, novel, short story, drama, speeches and essay. Students will individually and collaboratively explore personal, social, cultural contexts, values and perspectives within the stories and literary texts studied helping to understand themselves and making connections to others and to the world. There will be an emphasis placed on analysis, and responding to text in personal, creative and critical ways.

ENGLISH as an ADDITIONAL LANGUAGE (formerly ESL)

EAL courses are assigned to students after an interview with the EAL department. Course descriptions can be seen in the EAL course booklet or in the full course selection book posted online on the Heritage Woods front page.

EAL LEVEL 1 – 2 (non-credit)

This beginner EAL course is designed to help students who are new to Canada or the English language in improving basic English skills in the areas of speaking, listening, reading, and writing, with emphasis on oral communication skills. In this course, students will also be introduced to Canada and Canadian culture.

Students will also be required to enroll in EAL support/tutorial classes.

EAL LEVEL 3 (non-credit)

This intermediate EAL course is designed not only to help students improve their basic competency in English, but also introduce students to using English academically. The course will help students to develop in the essential areas of speaking, listening, reading, and writing, with emphasis given to vocabulary development, and complex sentence and short paragraph writing. Students are required to demonstrate a Level 3+ proficiency in English before being recommended for EAL Skills 10 or EAL Canadian Studies 10.

Students will also be required to enroll in EAL support/tutorial classes.

FILM & MULTIMEDIA

HOLLYWOOD 9

Want to be a star? Imagine yourself at the Oscars holding the "Best Director" award? Or are you just curious about what it takes to make a living in TV and film? Take Hollywood 9! Split into two parts, this course teaches the basics of both acting and filmmaking. The acting term covers physical specificity, line delivery, character development, auditioning skills, and script analysis for stage and screen. The filmmaking term provides grounding in directing, lighting, sound recording, and editing, as well as an introduction to animation. Enriched by guest speakers currently working in the industry, this course culminates in an opening night gala screening of the final student film project.

Note: *Students wishing to concentrate more on either acting or filmmaking may do so.*

HOME ECONOMICS

FOODS AND NUTRITION 9

Are your cooking skills limited to macaroni & cheese from a box or putting a frozen pizza in the oven? Or do you have the makings of Canada's next "Top Chef"? Gain up-to-date information about healthy eating, food preparation and food safety and develop life skills to share with family and friends! Plan and prepare a variety of sweet & savoury quickbreads, perfect pastas, breakfast basics, enticing entrees, great garden salads as well as divine desserts (pies, cakes, & cookies). Don your apron, grab your measuring cup and tempt your taste buds. An open mind and an adventuresome palate are definite assets!

TEXTILES 9

Do you love fashion? Do you want to create your own clothing that you will be proud to wear? Then sharpen your clothing construction skills and practice basic sewing machine and serger techniques such as appliqué, seams & finishes, darts, buttonholes, zippers, and hems. Projects/ patterns such as a t-shirt or hoodie, fleece toddlers top & pant with matching toque, skirt or pant, will be selected according to the experience and desire of the students. Bring your enthusiasm and creativity and enjoy this hands-on class!

INFORMATION TECHNOLOGY

INFORMATION TECHNOLOGY 9

This hands-on course provides an opportunity for students to develop skills using the Internet and various media applications for collecting, organizing and presenting information digitally. The focus is to develop computer skills that will help students continue to learn and use digital tools and support future project work across the curriculum and throughout their school experience. Technologies explored include basic graphic editing, presentation software, word processing, web page design and Flash multimedia.

LANGUAGES

FRENCH 9

Students will improve their communication skills in French using a variety of activities. Comprehensible input will be delivered in the form of stories and short high interest French novels. Francophone culture as well as students own cultural identity will be investigated throughout the course. Students will acquire French much as they do their own native language: by listening before speaking, learning vocabulary, and by learning grammar in context by example as well as usage. Get ready for an exciting way to attain the gift of fluency!

JAPANESE 9

This is an introductory course for students with no background in the Japanese language. Manga, anime, songs, games and videos will be used regularly to bring the culture and language alive in the classroom. By the end of the term, students will be able to understand and produce simple Japanese phrases and to read & write both the hiragana and katakana phonetic alphabets.

MANDARIN CHINESE 9

This course is designed for students with no previous knowledge of the language. Students will have an opportunity to learn about Chinese culture, build up the connection between Chinese characters and Hanyu Pinyin, and develop their oral communication skills to talk about daily activities, school and family life. Students will also be able to read some short simple texts in Chinese characters.

SPANISH 9

This is a course for students who have no background in Spanish language. The core competencies of speaking, listening, reading and writing will be practiced through a variety of themed units and activities. Students will acquire the foundations of Spanish and be prepared for higher levels of study. Acquiring a language can shape one's perspective, identity and voice.

LEADERSHIP

JUNIOR LEADERSHIP 9

This course is designed for students in grades 9 and 10 wishing to develop their leadership skills through school and community service. Students will participate in a variety of classroom sessions, and have the option of participating in several team-building field trips. Students will have the opportunity to hone their leadership skills by planning, organizing and leading school wide events. Students will lead project teams that will run events such as Grade 9 Orientation, the Terry Fox Run, Halloween Week, the Christmas Food Drive, and Advisory Challenges. Students will be required to provide a minimum of 30 service hours beyond the regular scheduled class time.

MATHEMATICS

MATHEMATICS 9

This course is designed to consolidate and extend topics introduced in the middle school years. It has been our experience that students completing this course with 65% or less struggle greatly in future math courses. To increase the likelihood of success in Math 10 courses, we recommend these students repeat Math 9 or take a Math 10 preview course in summer school.

MATH 9 ACCELERATED PROGRAM

This program allows mathematically strong grade 9 students to participate in an accelerated program of studies in mathematics. Successful students will complete Math 10 Foundations & Pre-Calculus in grade 9. These students will then be eligible to complete the following courses early:

- Math 11 (Pre-Calc OR Foundations) in gr.10
- Math 12 (Pre-Calc OR Foundations) in gr. 11
- Calculus 12 in semester one of grade 12
- Calculus AP in semester two of grade 12

Students in the Accelerated Program are strongly encouraged to participate in math contests.

Note: An entrance exam is required.

MUSIC

INSTRUMENTAL PROGRAM

As with all music activities, members of these classes should expect that part of their learning will involve a commitment to regular home practice. Students will be expected to attend all scheduled extra-curricular rehearsals and performances, as well as the music department tours. The provision of instruments will be the students' responsibility with the exception of very large and expensive instruments.

BEGINNING BAND 9

For students that have not joined band before, now is your chance to learn to play an instrument. All wind and string orchestra instruments are offered. The school has a select number of instruments available for rental. Smaller and traditional instruments are available through various rental programs.

CONCERT BAND 9

This course is intended for students who have taken an introductory Band course in Grade 6, 7 and/or 8. The course will involve instrumental technique, performance, theory, music history, and music appreciation.

JAZZ BAND 9

This is intended for the beginner/intermediate Jazz student who wish to learn about the musical styles associated with jazz ensembles. Studies will focus on developing technique, ensemble playing and understanding and exploring the structures of Jazz music. Jazz Band is open to all students who play the following instruments: Alto, Tenor, or Baritone Saxophone, Trumpet, Trombone, Electric Guitar, String Bass, Piano (Jazz), Drums, Percussion, Electric Bass, Guitar.

Pre-requisite: *Students must have previous experience on their instrument.*

Note: *This course occurs outside the timetable*

Note: *All students registered for Jazz band 9 must also be registered in a large ensemble Concert Band 9, Strings 9 or Choral 9.*

STRING ORCHESTRA 9

String Orchestra 9 is intended for all students who play string instruments. This course further develops string technique and ability and explores more advanced music as students progress. Music in a variety of styles and historical periods is studied. Students must have previous experience on violin, viola, cello and/or double bass.

Note: *This course occurs outside the timetable.*

GUITAR 9

This is an introductory course for students with little or no previous experience on the guitar. This course is designed to teach students basic chords, techniques and how to read music. In addition to learning many songs, students will learn strumming, picking and classical techniques. Barre chords will also be introduced. The school will supply guitars and music.

GUITAR 9 - INTERMEDIATE

This course is designed as a continuation of the skills presented in Beginning Guitar. It is recommended that students have more previous experience than a middle school guitar class. Further emphasis will be on developing note reading skills, barre chords, and more advanced accompaniment styles. Students must have a basic understanding of music notation and tab.

CHORAL MUSIC PROGRAM

CONCERT CHOIR 9

Choir 9 is intended as an introductory choral experience for students. The course will cover basic singing technique, music reading, understanding repertoire and performance.

VOCAL JAZZ 9

This course is for the advanced singer who wants the challenge of a more difficult vocal repertoire. Students will be expected to sing "one on a part" and to perform solo in their audition for this course. This course will continue to work on vocal technique and jazz styles. As well, there will be many performances in and out of school hours.

Note: *This course occurs in and outside the timetable*

PHYSICAL EDUCATION

PHYSICAL AND HEALTH EDUCATION 9 (PHE 9)

Physical and Health Education (PHE) is part of the new K-9 curriculum. PHE is designed to develop educated citizens who have the knowledge, skills, and understanding they need to be safe, active, and healthy citizens throughout their lives. PHE curriculum focuses on competencies that support life-long learning—competencies that can contribute to personal lives and career aspirations. Students will:

- develop an understanding of the many aspects of well-being, including physical, mental, and social.
- develop the movement knowledge, skills, and understandings needed for lifelong participation in a range of physical activities.
- develop knowledge, skills, and strategies for building respectful relationships, positive self-identity, self-determination, and mental well-being.
- demonstrate the knowledge, skills, and strategies needed to make informed decisions that support personal and community health and safety.

ELECTIVE PHYSICAL EDUCATION COURSES :

AGILITY 9: CO-ED AM (ATHLETIC TRAINING)

This course is designed for athletes who wish to develop fitness and skills specific to sport. Students will focus on a wide variety of advanced conditioning programs such as plyometrics, interval training, running, and weight training as they relate to basketball and volleyball. Specific physical components of the course will include an emphasis on speed, agility and quickness.

Morning Agility/Fitness/Basketball Stream:

Semester	Grade 9	Grade 10	Grade 11	Grade 12
1	X	Agility 10	Agility 11	Agility 12
2	AT 9	AT 10	AT 11	AT 12

Agility Training: 7:30 - 8:30 a.m.

FITNESS 9 CO-ED

This course is an introduction to fitness that focuses on total body conditioning. Students will be introduced to a variety of training programs. Activities include weight training, as well as running, hiking, plyometrics, medicine ball training, swimming, combative games, martial arts, yoga, aerobics, weight training, circuit training, and some team games. Classroom sessions will supplement the training sessions with valuable health and fitness information on topics such as the principles of fitness, nutrition, muscular, skeletal, and cardiovascular systems, weight room safety, body image, and the risk of steroids.

FITNESS 9 WOMEN

This course is designed to encourage both active and non-active teenage girls to participate in a wide variety of fun-filled supportive fitness and recreational activities. It will focus on developing personal fitness as well as positive self-esteem. Many training programs will be utilized including yoga, Pilates, weight training, circuit training, running, walking, etc. Throughout this course students will also have opportunities to explore issues relating to women in sport, recreation, health & fitness.

SOCIAL STUDIES

SOCIAL STUDIES 9

This course further develops the skills and understanding from grade eight. Both European and North American history from 1500 to 1815 is explored with particular focus on the development of democratic concepts from the English Civil War, French Revolution, and American Revolution. Further areas of study include the Industrial Revolution, early North American explorers and settlement and Aboriginal peoples.

SCIENCE

SCIENCE 9

Science 9 explores a variety of science topics. Life Science focuses on cells and reproduction. In Physical Sciences, students study the periodic table, chemical reactions and atomic structure followed by an introduction to electricity and circuits. Earth Science investigates the relationship between solar radiation and Earth's systems.

TECHNOLOGY EDUCATION

DRAFTING & DESIGN 9

This course introduces students to the concepts of design and visual communication by developing skills in technical drawing. Students will begin by learning the basics of manual drafting before exploring computer aided technical drawing in our drafting computer lab. Students will use their newly acquired knowledge of this software to document real world objects like cell phones, and to design and create objects in virtual space. This is an exciting, fast paced course that is great for any student interested in industrial design, computer gaming graphics or animation. Students will have the opportunity to create custom vinyl decals on the school's vinyl cutter as well as create items on our new 3D printer.

TECHNOLOGY, DESIGN & ENGINEERING 9

This course is an introduction to multiple technology fields including metalworking, jewelry, energy & power and electronics. Basic drafting techniques, woodworking, plastics fabrication and metal working skills will be taught as well as the fundamentals of the tools, parts and processes used to design and fabricate projects. Students will investigate many different physics principles in fun and interesting ways. Projects include CO2 Cars, Electromagnets, Steam Powered Boats and Ring Casting. Safe work habits and good employability skills are stressed and practiced throughout the course in a creative, hands-on environment.

WOOD DESIGN AND MANUFACTURING 9

If you enjoyed working with power tools in middle school then this is the course for you. This course introduces students to basic joinery techniques, proper tool usage and safe operation of shop equipment. The student will learn how to design and plan for a project as well as learning the fundamentals of good design. Students will design, build and finish several projects during this course. Some projects in the past have included jewelry boxes, noise makers, and an outdoor chair.

THEATRE

HOLLYWOOD 9

This course teaches the basics of both acting and filmmaking.

Note: See description under Film & Multimedia.

MUSICAL THEATRE 9

Sing! Act! Dance! Have fun, develop new performance skills and create a fabulous major musical production. Instruction provided; no experience necessary.

Note: Class runs Mon, Wed, Thur 4 – 6pm and performance evenings.

<p align="center">GRADUATION PROGRAM GRADE 10-12 80 CREDITS</p>	
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1. Required courses

English 10, 11 and 12 (English or Communications at 11/12)	12 Credits
Social Studies 10	4 Credits
Political Science 12, Human Geography 12, Comp Cultures 12, Human Geography 12, First Nations 12, Physical Geography 12, History 12, or Law 12	4 Credits
Science 10	4 Credits
Science 11 or 12	4 Credits
(Chemistry, Physics, Biology, Earth Science, Science & Tech, Geology)	4 Credits
Mathematics 10 (Workplace or Foundations and Pre-Calculus)	
Mathematics 11(Workplace or Foundations or Pre-Calculus) OR	4 Credits
Mathematics 12 (Foundations or Pre-Calculus)	4 Credits
PHE 10	4 Credits
Career Life Education 10* (CLE: see below)	4 Credits
Fine Arts or Applied Skills 10, 11 or 12 course (see choices)	

2. **Graduation Transitions** (this does not count as a grade 12 level course) 4 Credits

3. **Electives** (taken at the grades 10, 11 and 12 level) 28 Credits

TOTAL	80 Credits
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Career Life Education (CLE): 4 Credits

This is a required course for all grade 10 students. This course will shift focus away from Careers as a designation to careers as a journey. CLE is designed to enable students to develop the skills needed to become self-directed individuals who set goals, make thoughtful decisions, and take responsibility for pursuing their goals throughout their lives

A minimum of 16 credits must be taken at the grade 12 level. This includes 4 credits for English or Communications 12. Please note that Grad Transitions must be completed for Graduation, but does not count towards the 16 credit of grade 12 level courses.

Graduation Program Exams

Students must write the following exams to meet Graduation requirements:

- English 12 or Communications 12

Provincial exams marks are blended with course marks:

- English 12 or Communications 12 exams are worth 40%, course work 60%

For more information, please visit <http://www.bced.gov.bc.ca/graduation/courseinfo/>

Graduation Transitions

Graduation Transitions is **mandatory** for all grade 12 students in the province of BC. Upon completion, students will earn an **RM** (Requirements Met). It is worth **four credits** towards graduation. Graduation Transitions is intended to prepare students for a successful transition to life after secondary school. In order to meet this goal, Graduation Transitions encourages students to:

- take ownership of their own health and learning
- examine and demonstrate connections between their learning and their future
- create a plan for their growth and development as skilled, healthy, knowledgeable, participating citizens
- exhibit attributes of a model B.C. graduate

All B.C. secondary school students must demonstrate they have met the following requirements for:

- **Personal Health** - maintain a personal health plan and participate in at least 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.

At Heritage Woods, all students will participate in a **Presentation** where they will showcase significant accomplishments and indicate how their learning experiences have prepared them for successful transition to life after secondary school!

CAREER RESOURCE CENTRE

The Career Resource Centre is available to all students, teachers and parents to research information related to careers, post-secondary schools (trades & technology institutions, colleges, university colleges, & universities), scholarships, as well as to work on school projects or finish homework. The CRC is found in the counselling area.

Our Career Resource Facilitator can be reached at 127-CareerFacilitator@sd43.bc.ca.

Our Career Facilitator and 5 computers are available to search the world!

- **Information** about institutes, colleges, university colleges, universities
- **Scholarship Resource** and personal profile forms
- **Career**-related reference materials, computer programs
- **Employment** and volunteer information
- **Resume**, cover letter and application assistance
- **SAT, LPI, TOEFL** Information
- **Apprenticeship** information
- **Financing** your education
- **Post-Secondary View Books** and pamphlets

Please visit our online Career Centre for more information. This site can also be found under "Programs and Services" on the Heritage Woods Community Portal.

<http://www.sd43.bc.ca/secondary/heritagewoods/ProgramsServices/CareerCentre/Pages/default.aspx>

POST-SECONDARY PLANNING

Please note that it is the student's responsibility to research the admission requirements for each post-secondary institution that they wish to apply to. The school cannot be responsible for students who do not meet requirements at their desired institution.

Post-secondary admission requirements are determined by each institution. Please consult individual institution websites for the specific programs you are interested in. On these websites you will find specific pre-requisite courses needed at the grade 11 and/or grade 12 levels for those specific programs or faculties. **It is imperative that you consult the schools and programs you wish to apply to as requirements can change without notice.** Minimum marks for even grade 11 courses may be a consideration.

Although many institutions publish minimum grade requirements, admission for many programs is based on supplementary applications (broad based admission; personal profile, etc.) as well as competitive marks.

Please remember that meeting graduation requirements and meeting post-secondary admission requirements are two separate considerations.

Please see the school CAREER COUNSELLING CENTRE link (above) on our homepage to connect to these institutions and for a variety of information including career explorations, volunteer and job opportunities, scholarships, and post-secondary school search engines.

COURSE DESCRIPTIONS GRADES 10 - 12

ART

VISUAL ART 10: GENERAL (FA)

Students will develop basic skills in drawing, painting, collage, ceramics, sculpture, printmaking and graphic design. This course is intended for beginning art students (students should not have taken Art Foundations 9) who will benefit from grounding in important art and design principles while developing their personal style.

ART CAREERS 12

This course offers an advanced study of art for students wanting to delve into specific topics, techniques or mediums. Students wanting to build a portfolio or focus on a specific area of interest will be encouraged to pursue their own projects. Those students wanting a more structured experience will be given open-ended projects to produce during the course of the semester. Advanced topics will be presented in class for critical discussion and to add depth to students' work and knowledge.

ART FOUNDATIONS 11 (FA)

This course is designed for intermediate art students who wish to further develop their skills in drawing, painting, collage, ceramics, sculpture, printmaking and graphic design. Written art critiques and sketchbook work will be an integral part of this course.

ART FOUNDATIONS 12 (FA)

This course offers a variety of intermediate art experiences in drawing, painting, collage, ceramics, sculpture, printmaking and multimedia. Students will improve their image development skills and understand how to communicate visually. Written art critiques and sketchbook work will be an integral part of this course.

PHOTOGRAPHY 11 (FA)

Photo 9 is not a pre-requisite—this course is open to all students. You will learn when and how to change aperture and shutter speeds to get different photographic effects. Explore the art of portrait making, both outdoors and in the studio with professional lighting. Learn how to create exciting light paintings in the dark. Delve into the history of photography and make your own digital pinhole camera. Learn new photographic techniques that you can use in everyday life to capture interesting and artistic photographs.

PHOTOGRAPHY 12 (FA)

Continue your photographic studies by learning about high-key and low-key portraiture, modern photographers, advanced photo editing, high dynamic range (HDR) photography, and the editing of RAW files. Students in this course will be given the opportunity to pursue individual interests in various aspects of photography and photo editing. Assigned projects will be more technically and artistically advanced than in the previous levels, including the application of studio lighting and advanced image composition. Students will exit Photography 12 with a professional-level digital portfolio. Students who have not taken either Photo 9 or Photo 11 may find this course very challenging.

STUDIO ART 11: CERAMICS & SCULPTURE (FA)

This is an introductory art course where students work primarily with clay using a variety of ceramic techniques, such as pinching, coiling, and slab building. Students will also learn to use the wheel to create 3D designs (bowls, mugs, tiles, teapot and vase). Opportunities to work in other sculptural media, such as paper or metal may also be included.

YEARBOOK 11 (FA)

Do you have an eye for photography, graphic design, art or business? Do you like having your work on display for thousands of viewers? Then Yearbook 11 is the choice for you. Use your skills to create a lasting and memorable document which the Heritage Woods Community will enjoy for years to come. Note: This course runs outside the normal school day with the expectation that students will commit to regular attendance as well as some “overtime” as deadlines approach.

DESKTOP PUBLISHING 12 (FA) YEARBOOK

Yearbook 12 is designed to provide you with the opportunity to further develop and hone your desktop publishing, photography and design skills as an editor! It will also provide you with the opportunity to be a leader of other students in this massive project. Note: This course runs outside the normal school day with the expectation that students will commit to regular attendance as well as some “overtime” when deadlines approach.

STUDIO ART 12: CERAMICS & SCULPTURE (FA)

Students continue to extend the skills developed in Ceramics & Sculpture 11 while learning to use complex building and finishing techniques. This class provides students opportunities to reflect on their interests and abilities, and create larger and personalized studio projects. Some optional assignments, such as drum-making and fountain-making may require additional supplies at cost to the student.

BUSINESS EDUCATION

ACCOUNTING 11 (AS)

Students need to gain financial, economic and consumer skills to survive in our complex society. This course is designed as an introduction to accounting concepts for those seeking skills for entry-level employment or personal use. Students gain insight into financial problems and solutions which have far-reaching benefits for entrepreneurial and professional careers.

BUSINESS COMPUTER APPLICATION 11 (AS)

A thorough introduction to business software programs used in the industry is taught in this course. Students will develop their skills in word processing, spreadsheets, databases, graphics, and telecommunications including e-mail and the internet. Activities focus on real-world uses of computer applications, and relate to the world of work. Students may have the opportunity to become MOS (Microsoft Office Specialist) certified – an industry recognized certification.

ECONOMICS 12 (AS)

This introductory course is intended to give students a framework of economic theory as a basis for future Economics or Business-related fields. Topics such as different economic systems, supply and demand, distribution of goods, money and banking, international trade and the role of government are covered. Economics 12 is a highly recommended course for students wishing to pursue Business Studies at post-secondary.

KEYBOARDING 11 (AS)

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 the basic word processing tasks that they may encounter upon entry into the workforce.

MARKETING 11 (AS)

In today's world, Marketing is everywhere. What brand names are you wearing? What is advertised on the side of the bus? What is the logo on your coffee cup? In Marketing 11, students will develop an understanding of marketing strategies that are used to bring goods and services to consumers' attention. Students will learn about the 4P's of Marketing: Product, Place, Promotion and Price. This course is a must for those who like to show off their creativeness, or for those who simply enjoy studying and developing advertising campaigns and ideas. So come on! Don't wait! Sign up!

MARKETING 12 (AS)

The KFC slogan “fingerlickin’ good” in Chinese meant “eat your fingers off” and the Chevrolet Nova had poor sales in Spanish speaking countries because “No va” means “doesn’t go”. These are a couple of examples why some products succeed in one market but not others. How do geography, culture and language affect a company’s marketing strategy? In Marketing 12, students will study and examine markets and advertising on a global scale. The course will provide students with an opportunity to enhance their business management and entrepreneurship skills from a global perspective.

Recommendation: Marketing 11

DANCE

DANCE: PERFORMANCE 10 (FA) DANCE: PERFORMANCE 11 (FA) DANCE: PERFORMANCE 12 (FA)

Dance courses are designed to provide students with the opportunity to express themselves through movement and to allow students to develop critical-thinking skills through the creative process of dance. Students will work with the elements of movement: body, space, time, dynamics and relationship. These elements will be combined to create dances and routines. Students will work towards increasing their degrees of refinement and complexity as they gain experience and maturity in the group. Students will be required to perform outside of class time at designated competitions or events. Students will develop leadership skills through the planning of costume design, productions and routines. Several different forms of dance will be explored: hip hop, jazz, street jazz, lyrical jazz, ballet and contemporary. Strengthening and stretching classes will occur on a regular basis.

DANCE 12: CHOREOGRAPHY (FA)

Experienced dancers who already have credit for Performance Dance 12 may enjoy this advanced course in choreography. Students will choreograph combinations, teach lessons and lead exercises throughout the semester. They will be responsible for choreographing a number for the year end show and will have artistic control of that number. The term project will consist of a dance portfolio that demonstrates the students’ progress in the dance program.

ENGLISH

ENGLISH 10

This course will prepare students for the demands of senior level English courses. All Heritage Woods Secondary students will take Composition 10 (2 credits) and select an additional (2 credit) course from the following: Literary Studies 10, Spoken Language 10, or New Media 10. Students will continue to explore and refine personal, social, and cultural contexts, values and perspectives within the literary texts studied.

- **COMPOSITION 10 (All students take: 2 credits)**

Possible areas of focus: narrative, expository, descriptive, persuasive and opinion pieces; studying published pieces and creating original work, writing for specific audiences, and disciplines; continuing to develop skills in planning, drafting, editing, citing sources, and evaluating the credibility, quality, reliability of source.

STUDENTS MUST CHOOSE ONE OF THE FOLLOWING (2 credits):

A. LITERARY STUDIES 10

Possible areas of focus: genre specific works that may include poetry, short stories, drama, graphic novels, Canadian literature, First Peoples texts, thematic studies, and specific author studies.

B. SPOKEN LANGUAGE 10

Possible areas of focus: Performance that may include spoken word/slam poetry, oral storytelling, Reader’s Theatre, podcasts pertaining to First Peoples themes; developing professional applications that include speeches, presentations, interviewing, writing/presenting.

C. NEW MEDIA 10

Possible areas of focus: influence of media, documentaries, and social media on users; journalism and publishing; digital communication such as blogging, podcasting, and writing for the web.

COMMUNICATIONS 11

Communications 11 is an alternative to English

11. This course is designed to help students develop practical communication skills such as reading, writing, speaking, and listening. Since most coursework will be completed in class, attendance, punctuality and participation are expected.

COMMUNICATIONS 12

Communications 12 is an alternative to English 12. Students can use Communications 12 to fulfill graduation requirements. This course is designed to help students develop practical communication skills such as reading, writing, speaking, and listening. Focus is placed on vocabulary development, reading for information, and developing personal responses to non-literary sources. Literary works such as short stories, poetry, novels, and plays may also be studied. Since most coursework will be completed in class, attendance, punctuality and participation are expected. Communications 12 has a compulsory Provincial exam worth 40% of the mark.

Note: Communications 12 does not meet entrance requirements for universities, but does for many colleges and technical institutes.

ENGLISH 11

This literature-based course places emphasis on appreciation of literature and the development of language and communication skills. Specific attention will be given to the writing process and the need for increasing sophistication in students' writing abilities. English 11 deals with a variety of topical themes drawn, where possible, from Canadian literature. Students will continue to explore and refine personal, social, cultural contexts, values and perspectives within the literary texts studied.

ENGLISH 11 HONOURS

This course engages students in becoming skilled readers, and in becoming polished writers in a variety of prose forms. Reading selections will be drawn from a wide variety of literature reflecting Canadian themes and concerns. Students will also be introduced to the concept of tragedy, in the literary sense, with a study of Sophocles. Composition emphasizes the craft of writing and the interaction among a writer's purposes, audience expectations and subjects. Students will continue to explore and refine personal, social, cultural contexts, values and perspectives within the literary texts studied.

ENGLISH 12

In English 12, students will develop a critical vocabulary with which to respond to literature, both in writing and in discussion. The principal materials studied will be short stories, poetry, novels, essays, and plays. Students should leave this course with the ability to write an insightful and well-organized essay and use descriptive or narrative techniques effectively.

English 12 has a compulsory Provincial exam worth 40% of the final mark.

ENGLISH 12 HONOURS

English 12 Honours is an option for students who enjoy reading and wish to learn more about literary culture and traditions, joining with like-minded students in wide-ranging activities and discussions. Students will read a variety of short stories, non-fictional works, poems, and dramatic works. Students will continue to hone their critical thinking, writing, speaking and presenting skills. The program will prepare students for the provincial final, and for post-secondary academic studies. **English 12 has a compulsory Provincial exam worth 40% of the final mark.**

ENGLISH AS AN ADDITIONAL LANGUAGE (formerly ESL)

EAL LEVEL 1 – 2 (non-credit)

This beginner EAL course is designed to help students who are new to Canada or the English language in improving basic English skills in the areas of speaking, listening, reading, and writing, with emphasis on oral communication skills. In this course, students will also be introduced to Canada and Canadian culture. **Students will also be required to enroll in EAL support/tutorial classes.**

EAL LEVEL 3 (non-credit)

This intermediate EAL course is designed not only to help students improve their basic competency in English, but also introduce students to using English academically. The course will help students to develop in the essential areas of speaking, listening, reading, and writing, with emphasis given to vocabulary development, and complex sentence and short paragraph writing. Students are required to demonstrate a Level 3+ proficiency in English before being recommended for EAL Skills 10 or EAL Canadian Studies 10. **Students will also be required to enroll in EAL support/tutorial classes.**

EAL SKILLS 10 (non-credit)

This course enables advanced EAL students to explore literature and to use language with confidence through exploration, response and practice in reading, writing, speaking, listening and cooperative learning. Exposure to various genres and literary terminology covered in this course prepares students for English 10. **Students will also be required to enroll in EAL support/tutorial classes.**

EAL CANADIAN STUDIES 10 (credit)

While developing their proficiency in English, EAL Canadian Studies 10 acquaints students new to Canada with Canadian geography, history, government, law, culture, customs and current events. In addition, this course allows students to explore Canada's role in the global community. Students will develop their skills in reading comprehension, speaking and writing descriptively and analytically, formulating theses, expressing opinions and demonstrating an understanding of concepts in increasingly complex writing. The strategies, concepts, and language skills taught are as important as the content. Key vocabulary, visuals, and concepts are covered in this course to ensure success in Social Studies 10. **Students will also be required to enroll in EAL support/tutorial classes.**

EAL TRANSITIONS 11(non-credit)

This class is intended to provide language, social and academic support across the curriculum. This class is designed for advanced EAL students who are now enrolled in regular English and Social Studies and require assistance with language-based assignments. This class is also offered to students who are new to the country and will provide a setting for academic and social interaction. Held outside the regular school schedule, this class does not replace any core or elective courses. Students are encouraged to discuss and seek help on homework that they have tried and to connect with other students. This class aims to help students be successful at school. **Note: This course runs outside the timetable.**

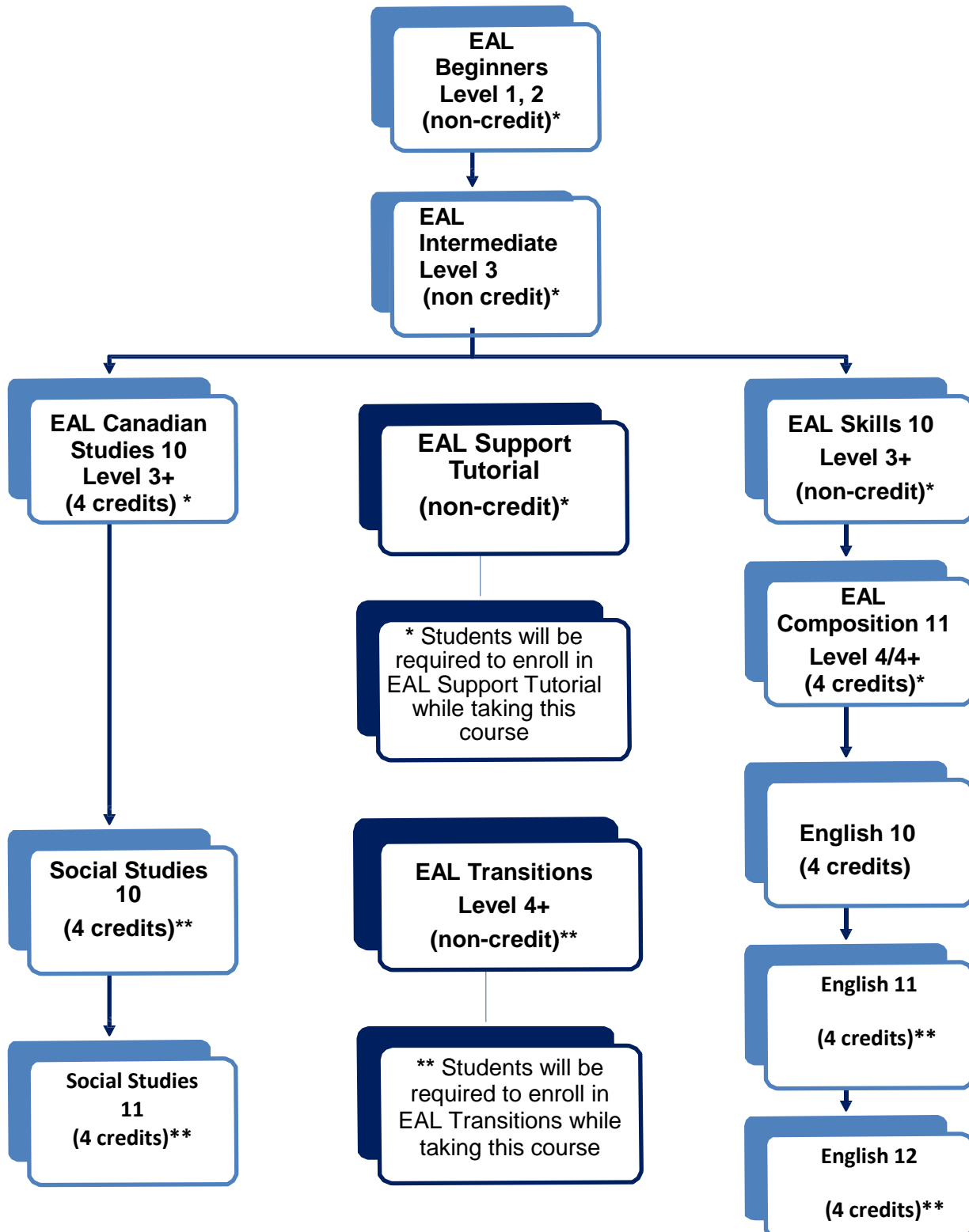
EAL TUTORIAL (non-credit)

This course will support EAL students who are enrolled in regular language-based courses like English and Social Studies. Held outside the regular schedule, this class does not replace any core or elective courses. Students are encouraged to discuss and participate to improve their speaking skills, and seek help on classwork. Students will continue to practice grammar, writing and editing types of sentences, paragraphs and essays. **This is an assigned course outside the timetable and students are expected to attend and participate fully.**

EAL COMPOSITION 11 (credit)

Composition 11 is an intensive writing course designed to provide EAL students with additional writing skills and practice necessary for academic writing. Students will write with compound and complex sentences and develop paragraphs and essays in response to literary texts. **Students will also be required to enroll in EAL support/tutorial classes.**

**Progression of Courses for English as an Additional Language(EAL)
Students
(formerly ESL)**



FILM & MULTIMEDIA

ADVANCED FILM PRODUCTION

Are you interested in delving deeper into Film? Would you like to further develop your production work artistically and technically? If so, Advanced Film Production is the course for you. Formally called Independent Studies in Film, in Advanced Film Production you decide the course focus. Popular topics include, but are not limited to, Directing, Script Writing, Editing, Cinematography, Broadcasting, and Acting for Film. You decide the topic, you design the course including what assignments you will do to further your development in the course focus and what film projects will be completed to support your learning. **Students interested in this course must have completed Film 11 and 12 and obtain the Film Instructor's permission.**

ANIMATION 12 (FA)

Students will learn the ability to identify, describe, analyze, interpret and make judgments about the visual elements and principles of art and design as used in animation. In Animation 12, students may choose to explore the curriculum in either 2D (hand drawn) or 3D animation. The course will be delivered in a way that simulates what is done in the real workforce at an animation studio and expose students to the skills that will prepare them for post-secondary.

DRAMA: FILM & TV 11 (FA)

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" which teach the "how's". You 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.

DRAMA: FILM & TV 12 (FA)

Film 12 students will learn about and explore the numerous visual, dramatic, and technical challenges that directors face. Students write, produce, direct and edit their own films. Unlike Film 11, Film 12 students are expected to have a good working knowledge of the basics of filmmaking. Students often work independently from the instructor through hands-on assignments and projects communicated through an online curriculum.

It is strongly recommended that students take Film 11 before proceeding to Film 12.

ICT - DIGITAL MEDIA DEVELOPMENT 11 (AS)

An introduction to one of the fastest growing career opportunities in North America this course offers hands on experience with 2-D animation, sound editing, beginners' 3-D modeling and interactive multimedia authoring. The course is ideal for those interested in animation, web page design, and computer media.

3D GAME DESIGN 12 (AS)

3D Game Design is a hands-on experience on how to create your own 3D game. Participating students will be given the knowledge and training in modeling, animating, and designing their own 3D Game. 3D Game Design 12 allows students to explore any game design platform and/or genre. This course is self paced and may be taken on its own or in conjunction with Computer Programming 12 for coding. Course materials are provided online. Software includes the popular game design suite "Unity" and "Animation Master" is used for 3D modeling.

HOME ECONOMICS & TOURISM

Challenge yourself to explore what we have to offer in the worlds of Food, Fashion, Family Studies and Tourism. Develop life skills, meet graduation requirements, gain employability skills and express your creativity. Prepare for your future with a practical, fun, and hands-on approach.

FAMILY STUDIES 11 (AS)

Learn about yourself and your relationships with others! This course focuses on two main areas: Child Development & Interpersonal and Family Relationships. Explore the issues and options available to women giving birth and the role of the father in the family dynamic. Experience what life might be like caring for a “Real Care” baby. This is an excellent course for anyone wishing to pursue a career in a child-related field as we work one-on-one with children at the 6/7 level in a buddy class. The development of relationships and effective communication skills are also examined.

FAMILY STUDIES 12 (AS)

What is the role of families in society today? This course focuses on 2 areas: Adolescence & Families in Society. Beginning in adolescence and moving into the adult world, this course expands on the ideas explored in Family Studies 11. Students will have an opportunity to learn about commitment, marriage and death practices and ceremonies in Canada and around the world. They will look at how families are created and how they function in their various forms. In addition, students will interact with seniors and discover the reality of the aging process. This is an excellent course for those interested in careers in social or human services. **Recommendation: Family Studies 11**

FOODS & NUTRITION 11 (AS)

Expand your repertoire of culinary skills and earn the provincial Food Safe Basic Certificate, valuable assets in today's job market! Discover the many multicultural flavours of the world as you study cuisines of Europe (e.g. France, Italy), Asia (e.g. China, Japan, & Thailand), the Middle East, and the Americas (e.g. Canada, Mexico). Plan, prepare, and enjoy a variety of international foods. Learn how to apply key concepts of healthy eating. This course will benefit anyone who loves food or is interested in the food, tourism, or hospitality industry!

FOODS & NUTRITION 12 (AS)

Use advanced professional techniques to prepare specialty breads, pasta, appetizers, soups, international meals, candy, jams and jellies. Learn how to improvise, balance flavours, and create new dishes. Assemble gift baskets showcasing your culinary talents. Plan and host receptions including your own Grad party! This course is an asset to anyone who loves to cook, entertains, or plans to enter the food, tourism, or hospitality industries. **Prerequisite: Food Studies 11**

TEXTILES 11 (AS)

Dreaming of Project Runway? Learn to fabricate stunning, one-of-a-kind creations! Develop basic machine skills (serger, sewing machine, iron-press) and explore industry and couturier construction techniques through completion of 3-4 projects. Apply design principles and fabric knowledge to create garments that are uniquely yours! This course is divided into 2 levels: Level 1 for those with little or no sewing experience and Level 2 for those who have completed Textiles 9 or equivalent. Projects may include a 2-piece stretch knit outfit, a fitted skirt or pant, shirt or unlined jacket, camisole, and stuffed animal. Patterns/ projects will be selected according to the experience and desire of students. This course is highly recommended for students interested in fashion design and/ or merchandising.

TEXTILES 12 (AS)

This advanced course continues to build on construction experiences, allowing students the opportunity to explore industry and couturier techniques while refining previous skills. Basic skirt design as well as tailoring techniques will be introduced. Projects will be selected based on consultation with the instructor. Understanding of fit, specialty fabrics and application of design principles will be interest, experience and ability in important aspects of every project. This course is highly recommended for students interested in college or university fashion programs. **Prerequisite: Textiles 11**

TOURISM 11 (AS)

Take off with tourism! Get a ticket to the fastest growing industry in B.C. Come aboard and travel throughout the province on an exciting adventure-packed trip to your final destination – a higher level of tourism – related job skills and certification. The following industry recognized certificates will be taught:

- WorldHost Fundamentals
- WorldHost Serving Customers with Disabilities
- Counterfeit Detections

TOURISM 12 (AS)

Domestic travel, exotic destinations and international travel is on the itinerary for Hospitality/Tourism 12. Students will also explore the business of hospitality, adventure tourism, conferences and event planning, and the travel trade. The following Industry recognized certificates will be taught:

- WorldHost Japan
- WorldHost Across Cultures
- Service Solution Series

Recommendation: Tourism 11

INFORMATION TECHNOLOGY

COMPUTER INFO SYSTEMS 11 (AS)

Do you want to learn how to build, upgrade, and repair computers? Do you want to be able to fix computer network problems? If this sounds like you, Information Systems 11 will teach you what you need to know. This course prepares students to take the industry standard Cisco certification, which is held by most computer network administrators. Learn about installing new drives, upgrading operating systems, network troubleshooting, dealing with computer viruses, network security and more. At the end of this course, students will write the first semester exam for Cisco's CCNA examination.

COMPUTER INFO SYSTEMS 12 (AS)

How do computers communicate? How does a firewall work? What is the difference between a switch and a router? How do you configure a VPN? These questions and many more will be answered in this self-paced course. Students will be enrolled in the Cisco Certified Network Associate (CCNA) online program. This industry- standard certification could be your ticket into a computer career. Labs include designing and wiring a network, configuring routers, troubleshooting hardware and software problems, and administering a network. **Recommendation: Computer Information Systems 11**

COMPUTER PROGRAMMING 11 (AS)

Create your own software! Design your own applications! Create your own video game! Based in the .Net programming environment, Computer Programming 11 will teach students to design programming algorithms, think logically about programming problems and utilize modern high level programming tools to solve real world computer problems. This course is designed to prepare students for university level Computing Science or Software Engineering.

Recommendation: Math 10 Foundations and Pre-Calculus

COMPUTER PROGRAMMING 12

Focus: Game Design (AS)

Do you put the Man in Pac-Man? Are you the King of Kong? Do you have a great idea for a video game? Try Computer Programming 12- Game Design! This advanced course is designed to develop your programming skills through the exciting process of video game design. We are fortunate that Vancouver offers exciting career opportunities in this industry. This course can give you a huge head start needed for post-secondary education in this field. Modern game design involves both a high level of programming and animation skill, thus some background in both these areas is beneficial for students wanting to attempt any game programming. The course will consist primarily of a large scale project using Python and PyGame to create a working video game.

Recommendation: Comp Programming 11, Digital Media Development 11, Math 11

ICT: MODULAR SURVEY 11 (AS)

Do you want to feel confident using programs like Adobe PhotoShop, Macromedia Dreamweaver, Flash, and Visual Basic? If so, then ICT 11 is the course for you! It provides lots of hands-on time with powerful computer applications, creating web sites, animations, web graphics, and your own computer programs.

This project-based course is the core of the Information Technology program and can be taken in grade 10.

LANGUAGES

FRENCH 10

Students will continue to improve their communication skills in French 10 using a variety of activities. Comprehensible input will be delivered in the form of stories and high interest French novels. Francophone culture as well as students own cultural identity will be investigated throughout the course. Students will acquire French much as they do their own native language: by listening before speaking, learning vocabulary, learning grammar in context and by example as well as usage. Get ready for an exciting way to attain the gift of fluency!

Recommendation: French 9

FRENCH 11

Students will recognize connections between language and culture. They will improve their fluency, orally and in writing by sharing personal experiences and giving recommendations in different situations. They will recognize how choice of words may affect meaning. By working on authentic materials students will be able to analyze cultural differences in texts and adjust their register in speech and writing to reflect different purposes. They will be able to compare and contrast points of view and opinions in past, present and future timeframes.

Recommendation: French 10

FRENCH 12

Students will engage in conversations on a variety of topics of interest. They will be able to express, support or defend their opinions and respond to the opinions of others. They will recognize that culture and language are influenced by the interactions between First Peoples and Francophone communities in Canada. At the end of this course, students will be able to identify and explore opportunities to continue language acquisition beyond graduation while exploring career opportunities requiring proficiency in French.

Recommendation: French 11

JAPANESE 10

This is an introductory course for students with no background in the Japanese language. Manga, anime, songs, games and videos will be used regularly to bring the culture and language alive in the classroom. Students will be able to ask and respond to various types of questions using strategies to derive and negotiate meaning. They will also be able to write both the hiragana and katakana phonetic alphabets. This class is open to grade 10, 11 and 12 students. This course is equivalent to Japanese 11 Beginner (or Intro Japanese 11).

INTRODUCTORY JAPANESE 11

This is a course for students who have not previously studied Japanese. Students will develop a degree of proficiency in listening, speaking, reading and writing. Students should be aware that as a combination of Japanese 9 and 10, this is a fast paced and intensive course. Excellent work habits are essential. Successful completion of this course gives students sufficient second language credit for admission to some universities.

JAPANESE 11

This course is for students who have a basic understanding of Japanese and knowledge of hiragana and katakana alphabets. Students will learn an increasing range and more sophisticated level of commonly used vocabulary and sentence, as well as kanji (Chinese characters). Engaging in short conversations (such as skits) and expressing opinions will be emphasized. **Recommendation: Japanese 9 or 10 or Japanese 10/11 Beginner**

JAPANESE 12

This course is a self-paced course and builds upon the previous years of Japanese study. Emphasis is primarily on written accuracy. Students are encouraged to work independently and can work at their own speed. This course is ideal for students who can study on their own.

Recommendation: Japanese 11

MANDARIN CHINESE 10

Students who have some knowledge of Chinese characters (simplified) and Hanyu Pinyin will feel comfortable at this level. Students will get the opportunity to experience various aspects of the Chinese culture through reading popular books, singing Chinese songs, and participating in some cultural activities. Students will be able to express themselves with growing fluency in conversation and in writing.

Recommendation: Mandarin Chinese 9 or Introductory Mandarin Chinese 11

INTRODUCTORY MANDARIN CHINESE 11

This beginner's course is an excellent choice for grade 11 or 12 students who have not previously studied Mandarin, and who wish to enrich their language and culture experience. It prepares students for the regular Mandarin 11 course. Students will have the opportunity to experience various aspects of the Chinese culture through reading popular books, singing Chinese songs, and participating in some cultural activities. Students will develop their oral communication skills and be able to read some short simple texts in Chinese characters. This intensive course incorporates Mandarin 9 and 10. As a result, it will be fast-paced and require good work habits.

MANDARIN CHINESE 11

This demanding course prepares students for the rigors of Mandarin 12. Equal emphasis will be placed on students' abilities to read and write as well as to converse. Knowledge of Hanyu Pinyin is required. Students with background knowledge of Chinese are encouraged to see their teacher or counsellor for recommendation regarding challenging the course or placement at the appropriate level. Successful completion of this senior level course gives students sufficient second language credit for university admission.

Recommendation: Mandarin Chinese 10, Intro Mandarin 11, or permission from the teacher

MANDARIN CHINESE 12

This course provides students with an opportunity to develop a deeper understanding of Chinese idioms and Chinese culture. Students will be engaged in reading, discussion and debate of popular topics, and writing narrative and expository paragraphs. By the end of Mandarin 12, students will be more aware of and sensitive to Chinese values and customs through the study of literature and discussion of current events. This course is offered every other year depending on student requests.

Recommendation: Mandarin Chinese 11

SPANISH 10

An extension of Spanish 9, this course is open to students with some background knowledge but who need to acquire further communication skills. Students will engage in short conversations, narrate stories orally and in writing, and increase their range of commonly used vocabulary and sentence structures. **Recommendation: Spanish 9**

INTRODUCTORY SPANISH 11

This is a course for students who have not previously studied Spanish. Students will develop a degree of proficiency in listening, speaking, reading and writing. The language is presented within the context of the contemporary Spanish speaking world. Students should be aware that as a combination of Spanish 9 and 10, this is a fast-paced and intensive course. Excellent work habits are essential. Successful completion of this course gives students sufficient second language credit for admission to some universities. Acquiring Spanish allows us to explore career, travel and personal growth, and study abroad opportunities. As it requires courage and risk taking to express oneself in a foreign language, students will have a safe and encourage environment to develop their abilities.

SPANISH 11

In Spanish 11, students will continue to express themselves in past, present and future timeframes while describing day-to-day activities, hopes, dreams, desires, and opinions of familiar topics. They will have the opportunity to use an increasing range of commonly used vocabulary and sentence structures for asking and responding to various types of questions. Through texts and creative works from Latino American Culture, students will have the opportunity to appreciate and value cultural diversity in today's society. **Recommendation: Spanish 10**

SPANISH 12

In Spanish 12, students will express themselves more effectively with fluency and accuracy while explaining needs, emotions, doubts, wishes and possibilities in multiple forms of past, present and future timeframes. They will respond personally to a wider range of oral, written and visual communication such as audio and visual media, print materials and online sources while adjusting their output to reflect different purposes and degrees of formality. The students are expected to identify and explore possible language acquisition as well as potential career opportunities beyond graduation.

Recommendation: Spanish 11

LEADERSHIP

JUNIOR LEADERSHIP 9/10 (B/AA)

This course is designed for students wishing to develop their leadership skills through school and community service. Students will participate in a variety of classroom sessions, and have the option of participating in several team-building field trips. Students will have the opportunity to hone their leadership skills by planning, organizing and leading school wide events. Students will lead project teams that will run events such as Grade 9 Orientation, the Terry Fox Run, Halloween Week, the Christmas Food Drive, and Advisory Challenges. Students will be required to provide a minimum of 30 service hours beyond the regular scheduled class time.

SENIOR LEADERSHIP 11/12 (B/AA)

This course is designed for students wishing to further develop their leadership skills through school and community service. Students will participate in a variety of classroom sessions, and have the option of participating in several team building field trips. Students will have the opportunity to hone their leadership skills by planning, organizing and leading school wide events. Students will lead project teams that will run events such as Grade 9 Orientation, the Terry Fox Run, Halloween Week, the Christmas Food Drive, and Advisory Challenges. Students will be required to provide a minimum of 30 service hours beyond the regular scheduled class time.

ATHLETIC LEADERSHIP (B/AA)

Athletic Leadership is for the sports enthusiast wishing to learn more about various aspects of leadership in a sporting environment. Some topics covered in this course are: qualities/habits of an effective leader, sports psychology, nutrition for athletes, volleyball/basketball officiating and minor officiating, team management, basic sports medicine, as well as organizing, planning and leading tournaments. A practical/volunteer component of the course will be included. If you like to work with people in the field of athletics, you will have FUN in this course. This course is offered within the timetable to grade 10, 11 and 12 students.

PHILANTHROPY

In Philanthropy, students identify and complete individual or group philanthropic projects for the school and greater community. This course is an extension of Planning 10's YPI (Youth Philanthropic Initiative) and many students find their passion based on the charities they have been exposed to. Students take this class in addition to their regular course load. Students are required to fulfill a minimum of 120 hours of volunteer work including class time and independent project work **Note: This is a linear course which meets outside the regular timetable and is taken in addition to students' regular course load.**

RED CROSS/KODIAK'S KARE (K2)

In Red Cross, students will be trained by the Red Cross 'Beyond The Hurt' Bullying prevention program in order for them to peer teach the course to younger grades in our school and feeder middle and elementary schools. Students will extend this program to meet the needs of our community with their own initiatives such as Kodiak's Kare (K2). This course is an extension of Planning 10's YPI (Youth Philanthropic Initiative – Social Responsibility). Students take this class in addition to their regular course load. Students are required to fulfill a minimum of 120 hours of volunteer work including class time and independent project work.

Note: This is a linear course which meets outside the regular timetable and is taken in addition to students' regular course load.

LEADERSHIP – OUTSIDE THE TIMETABLE

LEADERSHIP 10 – INTRAMURALS (B/AA)

LEADERSHIP 11 – INTRAMURALS (B/AA)

LEADERSHIP 12 – INTRAMURALS (B/AA)

It is an elective course that will run during lunchtimes, flex, and some hours after school. It is a full year (linear) class that focuses on organizing and running intramurals for HWSS. The class will run both the junior and senior intramurals at lunchtime. However, it is not expected that students miss all of their lunches with their friends. Scheduling will be done to ensure that each student covers the expected curriculum time, and the course will run similar to a linear class schedule. This class will help students develop their leadership skills while organizing and officiating their peers' games. Attendance and commitment to the activities are essential for success in the course. Volunteer hours will also be expected to help with some after school games.

PEER TUTORING

Note: Students apply for these courses with a support letter from a teacher in a subject area of strength.

The majority of course written work is to be done outside classroom hours.

PEER TUTORING 11

This course provides students with a chance to experience what it is like to teach and grow as individual learners by helping others. Through the integration of the Peer Tutor into a regular classroom, and working with a teacher, they help teach and mentor students. Students should possess initiative, intelligence, effective problem-solving skills and empathy. In the class, peer tutors will be expected to demonstrate flexibility, enthusiasm, understanding and strong interpersonal skills. Students will be required to use the school portal to maintain a reflective journal of their work and investigate a learning issue relative to the students they are supporting.

PEER TUTORING 12

This course is an extension of Peer Tutoring 11. Students wishing to earn credit for Peer Tutoring 12 will be expected to demonstrate a higher level of skill attainment in the areas of problem-solving and interpersonal skills as well as develop a more in depth understanding of the aspects of lesson planning and concept development. In conjunction with the supervising teacher, the Peer Tutor 12 students may be involved in teaching in the classroom.

MATHEMATICS

The HWSS Math Department offers a variety of courses designed to meet the needs of all students. It is important that students select courses that suit their interests, as well as their career and post-secondary aspirations.

Note: The graphic on the following page illustrates Ministry of Education Mathematics course options that are offered. Departmental consultation is required if choosing to change pathways. All students need a scientific calculator.

FOUNDATIONS OF MATHEMATICS AND PRE-CALCULUS 10

This course is designed to provide students with the mathematical understandings and critical-thinking skills identified for post-secondary academic studies at colleges and universities. Topics include applying trigonometric ratios to right triangles, irrational numbers, powers involving integral and rational exponents, polynomials, coordinate geometry with linear relations, systems of linear equations, using function notation, financial literacy and experimental probability.

FOUNDATIONS OF MATHEMATICS 11

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 might include the Humanities, Fine Arts, and some Trades and Technical programs. The course will include such topics as Measurement, Relations and Functions, Geometry, Statistics and Logical Reasoning. **Recommendation: 67% or better in Math 10 Pre-calculus.**

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 might include the Humanities, Fine arts, and some Trades and Technical programs. Topics include Financial Mathematics, Logic with Numbers, Set Theory, Probability, Combinatorics, Relations and Functions.

Recommendation: Foundations Math 11 or Pre-Calculus 11.

PRE-CALCULUS 11

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. This might include Mathematics, Sciences, Engineering and Commerce. The course will include Absolute Value, Radical and Rational Equations, Quadratic Functions, Arithmetic and Geometric Sequences and Series, and Trigonometry. Note: Students must have access to a graphing calculator, such as a TI-83.

Recommendation: 73% or better in Math 10 Pre-Calculus.

PRE-CALCULUS 11 HONOURS

This course is designed for students who want to enrich their mathematical understanding and critical-thinking skills. Topics in the course will be covered in more depth with an emphasis on developing effective problem solvers. Topics include Absolute Value, Radical and Rational Equations, Quadratic Functions, Arithmetic and Geometric Sequences and trigonometry. Students are highly encouraged to participate in a number of Math contests that the school offers.

Note: Teacher recommendation required.

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. This might include Mathematics, Sciences, Engineering, and Commerce. Topics include Trigonometry, Relations and Functions (Exponential & Logarithmic, Polynomial, Radical, Rational, and Transformations), and Combinatorics. Note: Students must have access to a graphing calculator, such as a TI-83.

CALCULUS 12

This course is designed for students planning to take calculus at the post- secondary level. The topics covered are Functions, Limits, Continuity, Derivative Rules, Curve Sketching, Related-Rate Problems, Max/Min Problems, Basic Integration and Area under the Curve problems. Students are encouraged to write the Challenge Exam offered by BC Universities. The results from the exam may be used for credit toward first year math courses offered at our Provincial Universities.

Pre-requisite: Pre-Calculus 12

AP CALCULUS 12

This course is intended for students who have excellent mathematical skills and aim to study mathematics, engineering, or science at the post- secondary level. The main topics covered are Analytic Geometry, Limits, Derivatives, Integrals and their applications. One of the goals is to prepare students to write the AP exam in May. Students also have the option of writing the Challenge Exam in June. **Recommendation: > 90% in Pre-Calculus 12**

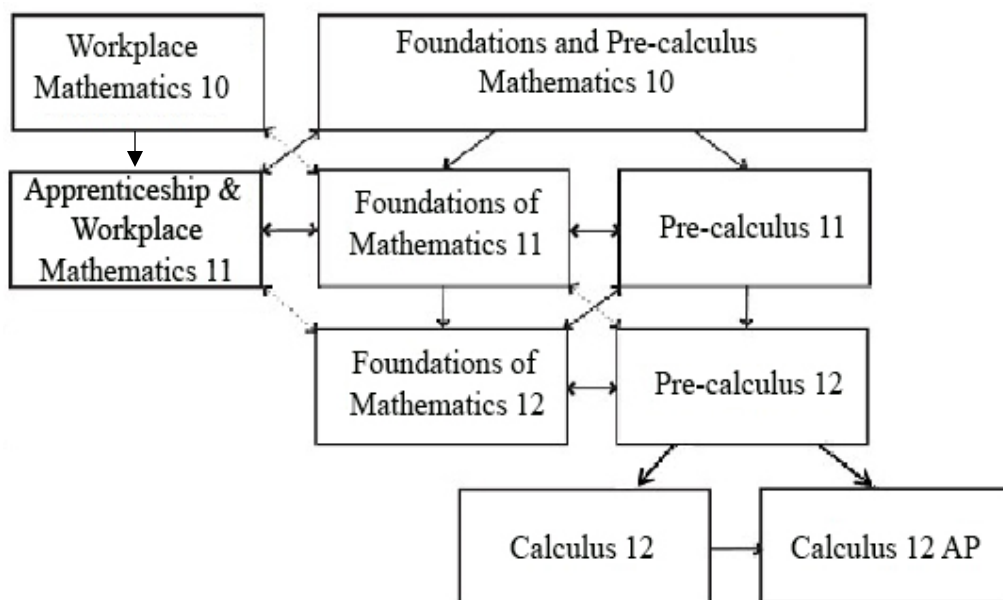
WORKPLACE MATH 10

This option is designed to provide students with the mathematical understandings and critical-thinking skills identified for entry into the majority of trades and for direct entry into the work force. Topics include understanding and applying the metric and imperial system to the measurement of 2-D and 3-D objects, applying the Pythagorean Property, Geometry and Trigonometry, financial literacy, creating and interpreting graphs and experimental probability. All topics are taught within a framework of problem- solving.

APPRENTICESHIP & WORKPLACE MATH 11

This course is designed to provide students with the mathematical understandings and critical- thinking skills identified for entry into the majority of trades and for direct entry into the work force. The course will include topics in Measurement, Geometry, Finance, Algebra and Statistics.

PATHWAYS OF MATHEMATICS



Note: As indicated in the graphic, there are multiple paths to meeting Ministry expectations in Math. Consider your choices carefully to maximize your life and career options. See written descriptions for more detail and for Honours options. **Dotted arrows indicate unusual pathways that need to be made in consultation with the Math department/counsellor.**

MUSIC

INSTRUMENTAL MUSIC PROGRAM

Instrumental courses are intended for all students who play instruments appropriate to concert or jazz band, as well as string ensemble and guitar. As with all music activities, members of these classes should expect that part of their learning will involve a commitment to regular home practice. Students will be expected to attend all scheduled extra-curricular rehearsals and performances, as well as the music department tours. The provision of instruments will be the students' responsibility with the exception of very large and expensive instruments.

Note: Students registered in Jazz Band must also be registered (or at teacher's discretion) in a large ensemble (Concert Band, Choral or Strings) appropriate to their grade level.

CONCERT BAND 10 (FA) (AS)

This course is a continuation of Band 9 with appropriate changes in level of repertoire, knowledge, and skills. Students will begin to do work in small ensemble format as well as solo work, if desired. **Note:** This course is run during Block 1 (8am-9:12am). **Recommendation: Band 9 or by audition**

STRING ORCHESTRA 10 (FA)(AS)

This course is a continuation of String Orchestra 9 with appropriate changes in level of repertoire, knowledge, and skills. Students will begin to do work in small ensemble format as well as solo work, if desired. **Note:** This course is run during Block 1 (8am-9:12am). **Recommendation: String Orchestra 9 or by audition**

CONCERT BAND 11 (FA)(AS)

In this course, students will continue with their exploration of music repertoire, instrumental performance technique and small ensemble/solo work in addition to more advanced studies in theory and music history related to the repertoire studied. Students will also have the opportunity to do arrangements and to study conducting. **Note:** This course is run during Block 1 (8am-9:12am). **Recommendation: Band 10 or by audition**

STRING ORCHESTRA 11 (FA)(AS)

In this course, students will continue with their exploration of music repertoire, instrumental performance technique and small ensemble/solo work in addition to more advanced studies in theory and music history. Students will also have the opportunity to do arrangements and to study conducting. **Note:** This course is run during Block 1 (8am-9:12am).

Recommendation: String Orchestra 10 or by audition

CONCERT BAND 12 (FA)(AS)

Students will continue the course studies outlined in Band 11 and will be expected to provide a leadership role within the ensembles. Opportunities for conducting in public will be available to students if sufficient skill is acquired. **Note:** This course is run during Block 1 (8am-9:12am). **Recommendation: Band 11 or by audition**

STRING ORCHESTRA 12 (FA)(AS) ensembles.

Note: This course is run during Block 1 (8am-9:12am).

Recommendation: String Orchestra 11 or by audition

BEGINNING BAND 10 (FA)(AS)**BEGINNING BAND 11 (FA)(AS)****BEGINNING BAND 12 (FA)(AS)**

For students that have not joined band before, now is your chance to learn to play an instrument. All wind and string orchestra instruments are offered. The school has a select number of instruments available for rental. Smaller and traditional instruments are available through various rental programs. After the first semester, you will join the regular band/strings program. **Note:** This class runs outside the timetable

JAZZ BAND 10 (FA) (AS)

This is intended for the beginner/intermediate Jazz student who wishes to learn about the musical styles associated with jazz ensembles. Studies will focus on developing technique, ensemble playing and understanding and exploring the structures of Jazz music. Opportunities for solo improvisational work will be available for those students interested in developing those skills.

Note: This class runs outside the timetable

JAZZ BAND 11 (FA)(AS)

This course is an extension of Jazz band 9/10 with students continuing to develop improvisational skills, learning basic arranging skills, and providing leadership within the ensemble. There will also be opportunity for students to do small jazz ensemble groups (duos, trios, quartets, etc.) within the structure of the course.

Note: This class runs outside the timetable

JAZZ BAND 12 (FA)(AS)

Jazz Band 12 is an extension of the jazz studies taken in grades 9-11 and students will have further opportunity to develop jazz soloing techniques and to play in small ensembles. Students will be expected to take on a leadership role both musically and as group members.

Note: This class runs outside the timetable

CHORAL MUSIC PROGRAM

The Choral program is intended to provide an opportunity for all interested students to gain experience, knowledge and skills in the art of singing and the choral tradition. Courses will be performance-oriented, but will include learning outcomes related to music theory, choral/vocal history, appreciation and cultural awareness. As with all music activities, members of these classes should expect that part of their learning situation will involve a commitment to regular home practice. Students will be expected to attend all scheduled extra-curricular rehearsals and performances as part of the course expectations.

CONCERT CHOIR 10 (FA)(AS)

This course is a continuation of Choral 9, but it is also for those who have not yet taken a choir course. The course will include the performances of various vocal styles - from early music to jazz - along with the development of musicianship skills. Students will have many performance opportunities through school concerts, festivals and trips. **Note:** This class runs outside the timetable

CONCERT CHOIR 11 (FA)(AS)

Choral 11 is a continuation of Choral 10, designed for students who would like more in- depth study in choral repertoire. This course will include instruction in vocal technique, along with sight-singing and ear-training. Choral genres from the Renaissance to Jazz will be explored. Performance opportunities will be provided throughout the year. Previous choral experience is preferred but is not required. **Note:** This class runs outside the timetable

CONCERT CHOIR 12 (FA)(AS)

Choral 12 is a continuation of Choral 11. **Recommendation: Choral 11 or permission from instructor (may include an audition).**

VOCAL JAZZ 10(FA)(AS)

VOCAL JAZZ 11 (FA)(AS)

VOCAL JAZZ 12 (FA)(AS)

Vocal Jazz classes are intended to provide an opportunity for students to explore another musical idiom within the choral tradition. These courses are for the advanced singer who wants the challenge of a more difficult vocal repertoire. Students will be expected to sing “one on a part” and to perform solo in their audition for this course. These courses will continue to work on vocal technique and jazz styles. As well, there will be many performances in and out of school hours.

Note: Students registered in Vocal Jazz must also be registered (or at teacher’s discretion) in a large ensemble (Concert Band, Choral or Strings) appropriate to their grade level. **This course runs in and outside the timetable.**

****ADDITIONAL MUSIC CLASSES****

GUITAR 10-12 (FA)(AS)

This is an introductory course for students with little or no previous experience on the guitar. This course is designed to teach students basic chords, techniques and how to read music. In addition to learning many songs, students will learn strumming, picking and classical techniques. Barre chords will also be introduced. The school will supply guitars and music. For students who are more advanced, more emphasis will be on note-reading skills, barre chords, and more advanced accompaniment styles. Small group/combo playing will be introduced as well as the basics of rock/jazz rhythm section.

VOCAL TECHNIQUE 11 (B/AA)

VOCAL TECHNIQUE 12 (B/AA)

These are NOT choir courses. These Board authorized courses are designed for students who want to learn how to sing solo with proper vocal technique and style. The course will include individual, along with group instruction in the areas of vocal technique, sight-singing, theory and working with an accompanist(s). All styles of vocal music will be covered.

Prerequisite: None

MUSIC TECHNOLOGY

MUSIC COMPOSITION AND PRODUCTION 11 (FA)(AS)

MUSIC COMPOSITION AND PRODUCTION 12 (FA)(AS)

No previous training in Music is required. This course provides an opportunity to create, record and learning through the use of traditional methods and audio digital equipment, computers and software. You will have opportunities to design, create, edit and record your music – no music experience needed. This is a hands on course with a variety of opportunities in writing music, songwriting, beats, cover, soundtrack writing for film, plus so much more. Throughout the course you will design and create your own portfolio for publication at the end of the semester.

Coquitlam students have access to a variety of preferential admission arrangements with Douglas College. Students who complete *Music Composition*

& Technology at Heritage Woods Secondary will be given preferential admission into the one-year long Douglas College Music Technology Certificate Program. This means that interested Heritage Woods Secondary students will have a stronger chance of getting into the program than the general pool of applicants.

Note: Students seeking to take advantage of preferential admissions must still meet all Douglas College Program Entry Requirements.

See the Douglas College course calendar under “m” for details.

<http://www.douglas.bc.ca/calendar.html>

PHYSICAL EDUCATION

The HWSS PE Department presents a variety of courses for students to enhance the quality of their life experiences through activities featured in our programs. Physical activity on a regular basis is valued as an essential component for physical improvement, personal growth and development of lifelong skills, and provides long term benefits to overall health and fitness. Through participation in physical education, students will develop the knowledge, skills and attitudes necessary to contribute to their physical, mental and social well-being, and to maintain an active and healthy lifestyle.

****INSIDE THE TIMETABLE COURSES****

PHE 10

Physical and Health Education (PHE) is part of the new K-12 curriculum. PHE is designed to develop educated citizens who have the knowledge, skills, and understanding they need to be safe, active, and healthy citizens throughout their lives. The PHE curriculum focuses on competencies that support life-long learning—competencies that can contribute to personal lives and career aspirations. Students will participate in a variety of team, individual, and partner activities that emphasize lifelong fitness, and the importance of adopting an active healthy lifestyle. CPR certification is offered for all PE 10 students.

PE 11 & 12 TEAM GAMES, RECREATIONAL ACTIVITIES & RAQUET SPORTS

This co-educational course emphasizes the development of an appreciation for a wide variety of physical activities including team, individual, and recreational activities. Students will participate in a variety of units: badminton, tennis, weight training, volleyball, ultimate Frisbee, soccer basketball, touch rugby, flag football, floor hockey, lacrosse, softball, and minor games. Other activities may include trail running, hiking, biking, aerobics, yoga, curling, archery, table tennis, and optional activities such as golf, bowling, canoeing, skating, rock climbing, go- karting, and swimming. Where appropriate, activity based field trips will be offered.

FITNESS & WEIGHT TRAINING 10, 11 & 12

This co-ed course will help prepare students to lead healthy lifestyles now and after they leave high school. Weight training as well as the development of muscular strength and endurance is the main focus. Students will improve muscle function, muscular endurance, balance, coordination, speed, and agility. Student should expect to be in the weight room at least three times a week. Other fitness activities will include running, hiking, minor games, plyometrics, and team games. This class will help build a strong, healthy body and build confidence. Students will learn to utilize calories more effectively, perform athletically, and reduce the risk of injury. Classroom lessons will supplement the training sessions with valuable health and fitness information on such topics as nutrition, anatomy and physiology designs, and the health risks associated with performance enhancing drugs.

WOMEN'S FITNESS 10, 11 & 12

These courses are designed to encourage both active and non-active teenage girls to participate in a wide variety of fun-filled supportive fitness and recreational activities. The focus will be on developing personal fitness as well as positive self-esteem. Many training programs will be utilized including yoga, Pilates, weight training, circuit training, running, walking, etc. Throughout this course students will also have opportunities to explore issues relating to women in sport, recreation, health & fitness.

ATHLETIC LEADERSHIP (B/AA)

Athletic Leadership is for the sports enthusiast wishing to learn more about various aspects of leadership in a sporting environment. Some topics covered in this course are: qualities/habits of an effective leader, sports psychology, nutrition for athletes, volleyball/basketball officiating and minor officiating, team management, basic sports medicine, as well as organizing, planning and leading tournaments. A practical/volunteer component of the course will be included. If you like to work with people in the field of athletics, you will have FUN in this course. This course is offered within the timetable to grade 10, 11 and 12 students.

****OUTSIDE THE TIMETABLE COURSES****

AGILITY 10, 11 & 12 (Semester 1)

These co-ed courses are designed for athletes who wish to develop sport specific fitness and skills. Students will focus on a variety of activities such as plyometrics, interval training, running, and weight training as they relate to basketball and volleyball. Specific physical components of the course will include an emphasis on speed, agility, and quickness. Special emphasis will be placed on developing an individual program for each student. ****Class time is 7:30-8:45 AM**

ATHLETIC TRAINING (AT) 10, 11 & 12 (Semester 2)

This co-ed course is designed for students who are motivated to significantly improve their functional strength and endurance. Special emphasis will be placed on balance, coordination and efficiency of movement in sport as well as ways to improve personal speed, agility, and quickness. Students should expect to be in the weight room at least two times per week. Training sessions will help decrease body fat and increase lean body mass. Classroom sessions will provide valuable health and fitness information on such topics as proper meal planning for athletes, hydration practices, and ways to improve recovery following strenuous activities. Other fitness activities may include running, hiking, plyometrics, minor games, and team games. ****Class time is 7:30-8:45 AM**

Morning Agility/Fitness/Basketball Stream:

Semester	Grade 9	Grade 10	Grade 11	Grade 12
1	X	Agility 10	Agility 11	Agility 12
2	AT 9	AT 10	AT 11	AT 12

RECREATIONAL LEADERSHIP: INTRAMURALS & WEIGHT TRAINING

Outside of timetable, Linear (year long), during lunch

INTRAMURALS:

This linear (yearlong) course is offered to all grade 10, 11, and 12 students wishing to further their leadership skills through the coordination of lunch time activities including intramurals. However, it is not expected that students miss all of their lunches with their friends – this course runs every second day. Scheduling will be done to ensure that each student covers the expected curriculum time, and the course will run similar to a linear class schedule. Attendance and commitment to the activities are essential for success in the course. Volunteer hours will also be expected to help with some after school games.

WEIGHT TRAINING 11/12:

This linear (yearlong) weight training course runs at the time as the intramural class and students will have access to the weight room during lunch, flex, and possibly after school. This course will help prepare students to lead active and healthy lifestyles now, and after they leave high school. Weight training as a lifetime sport or activity is the primary focus. Specific focus will be placed on developing an individual weight training program that reflects the age, ability, and goals of the individual.

SCIENCE

SCIENCE 10

Science 10 continues the exploration of a variety of Sciences. In the Physical Sciences, the study of chemicals and their reactions continues with the addition of radiation and energy transformations. Life Sciences focuses on DNA, genes and inheritance. Finally, Earth Science studies the formation of the Universe.

BIOLOGY 11

Biology 11 is the basis of most post-secondary first year Biology courses. This course focuses on the variety of living organisms found on earth including bacteria, fungi, plants and animals. Biology 11 also examines Evolution, Ecology and the foundations of Cell Biology, which is continued in Biology 12. Biology 11 is an activity-based course and requires a willingness to work both independently and in groups. Labs, dissections and microscope use are an integral part of the course.

BIOLOGY 12

Biology 12 focuses on biochemistry, the cell and human biology. This course allows students to develop an interest and understanding of how our various body systems are integrated to maintain homeostasis. Students will examine the connections between the functioning of organ systems and the chemistry behind it. Biology 12 is a very activity-based course and requires a willingness to work both independently and in groups. Lab activities and microscope use are an integral part of the course. Many of the lab skills needed for Biology 12 are taught in Biology 11.

Recommendation: C+ or better in Biology 11 & Chemistry 11 (not concurrent)

CHEMISTRY 11

This course will examine a variety of concepts related to the study of matter with an emphasis on the applications of mathematics to solve problems. Topics include Atomic Structure, Chemical Bonding, The Mole, Chemical Reactions, Solutions and Organics. Class discussions, experiments and demonstrations will provide the basis for developing key concepts. Recommendation: C+ or better in Science 10 and Foundations/PreCalc Math 10

CHEMISTRY 12

This course is a detailed study of chemical concepts which will enable a student to gain a more useful perspective of chemistry and its relationship to industrial and environmental processes. The topics of reaction kinetics, equilibrium, acids/bases and oxidation will be covered through group discussions, projects and laboratory experiments.

Recommendation: C+ or better in Chemistry 11 and any Math 12 (concurrent ok)

EARTH SCIENCE 11

Earth Science studies the various processes that have shaped and formed our amazing planet. Main topics include: geology (rocks, minerals, resources), tectonic processes (plate tectonics, earth's interior, earthquakes, volcanoes), geologic time (history of earth, fossils), atmosphere (weather), and astronomy (solar system and beyond).

Note: This course meets the Science requirement for graduation, as well as entrance to most university and college programs.

ENVIRONMENTAL SCIENCE 11

This course provides students with the fundamental knowledge of and skills relating to environmental science that will help them succeed in life after secondary school. Students will explore a range of topics, including the role of science in addressing contemporary environmental challenges; the impact of the environment on human health; sustainable agriculture and forestry; the reduction and management of waste; and the conservation of energy. Topics will be based around local environments and the ecosystems within them. Students will increase their scientific and environmental literacy and examine the interrelationships between science, the environment, and society in a variety of areas.

GEOLOGY 12

This course is organized through the following units – Earth Materials, Surficial Processes, Time and the Fossil Record, Internal Processes and Structures, Resources and Comparative Planetology. It is a systematic and integrated study of the dynamic Earth through both theory and practice with both a local B.C. and extended world perspective. The course has a significant hands-on component aimed at developing both the knowledge and the various skills of science pertaining to the Earth.

PHYSICS 11

Kinematics focuses on describing motion in the world around us. In Modern Physics, students explore current theories, including Special Relativity. Dynamics focuses on the forces around us and their interactions within the natural world. Finally, in Optics and Waves, students will study the manipulation and characteristics of light and other waves. Students will problem solve using algebra and graphing skills, as well as complete practical laboratory experiments.

Note: Students should own a scientific calculator.

Recommendation: C+ or better in Science 10 and Foundation/Pre-Calculus 10.

PHYSICS 12

Students interested in understanding the physical world, taking post-secondary science courses, or careers in engineering should consider this course. We will build upon the concepts from Physics 11 including kinematics, dynamics, and energy. Mathematical models will include linear and two-dimensional analysis. New topics include translational equilibrium and circular motion. Emphasis will also be on electricity and magnetism. Students will problem solve using algebra and graphing skills as well as complete laboratory activities.

Recommendation: C+ or better in both Physics 11 & Pre-Calculus Math 11

SCIENCE AND TECHNOLOGY 11

This course concentrates on past, present and future applications of science in our society. The core areas include the nature and interaction of Science and Technology as well as computers and Information Technology. Optional modules include Resource Management, Environmental Planning, Medicine, Health, Criminal Investigation, Construction and Transportation. **Note:** This course fulfills the Science 11 requirement for graduation but not for university entrance.

SCIENCE CO-OP 11

This program is for students interested in exploring science-related careers and doing enrichment/ application activities to extend science concepts learned in the regular curriculum. Students should have an interest in outdoor recreation (camping, hiking, kayaking, snowshoeing, etc.). In the second semester of grade 11, as a group, students will take Chemistry 11 (CO-OP), Biology 11 (CO- OP), PE 11 (outdoor recreation based) and Work Experience 12. This will allow for a greater amount of hands on experience through field trips and work experience (3 weeks out of the school) without having to miss other classes. To be eligible, students need a minimum of C+ in Science 10 and to have demonstrated good work habits. Acceptance is based on teacher approval and an interview. It is strongly recommended that students take an academic grade 11 course in the 2nd semester of their grade 10 year where possible.

SOCIAL STUDIES

SOCIAL STUDIES 10

Social Studies 10 examines Canada during the 20th Century, specifically from World War I to the present. The course examines the political, economic, and social development of Canada with an emphasis on the knowledge, skills and attitudes essential for students to become more responsible citizens of Canada and the world. Canadian government and contemporary global issues such as population growth, and climate change are also studied. **Note: Use of a laptop computer is required in this course. If students do not have access to one, the school may be able to assist.**

COMPARATIVE CULTURES 12

Comparative Cultures 12 gives students an understanding of the values, beliefs, and accomplishments of past civilizations. We will examine how interactions between belief systems, social organization, and language influence artistic expressions of culture, how Geographic and environmental factors influenced the development of agriculture, trade, and increasingly complex cultures, and how value and belief systems shape the structures of power and authority within a culture. This is a liberal arts course designed to facilitate a student's quest for knowledge, understanding and awareness of various civilizations throughout the world, as well as the contributions and influences these civilizations have made to the present human experience. Possible areas of investigation include: Mesopotamia, Ancient Egypt, Indus River Valley, Chinese, Maya, Aztec, Incan, and Greek civilizations, the Roman Empire, Middle Ages, and the Renaissance.

Note: Access to a laptop computer is highly recommended.

FIRST NATIONS 12

First Nations Studies focuses on the richness and diversity of First Nations cultures in BC. Students will have opportunities to develop an understanding of and appreciation for First Nations traditions, values and beliefs within historical, contemporary, and future contexts. This course will be enhanced with presentations by guest speakers and through the use of videos and new resource materials.

HISTORY 12

History 12 is an in-depth study of significant 20th century world affairs that have shaped our modern world. Students will examine the events, trends, concepts and personalities from this turbulent century as they progress from World War I to the late 20th century. This is an interesting and important course with an emphasis on inquiry, debate and communication skills. **Note: Use of a laptop computer is required in this course. If students do not have access to one, the school may be able to assist.**

HUMAN GEOGRAPHY 12

Human Geography 12 explores demographic patterns and population distribution, which influence physical features and natural resources on a global scale. Human activities alter landscapes in a variety of ways which directly affect standards of living and quality of life. Geographic regions, encompassing a variety of physical features and human interactions, influence societies and environments. We will also be exploring sustainability issues as they are the basis of the relationship between natural resources and patterns of population settlement. This course will explore all of these topics through a variety of assessment methods, such as projects, presentations, debates and field trips.

LAW 12

This course provides a comprehensive look into Canadian law and the legal process. It builds upon the concept of "citizenship" begun in Socials 10. It is ideal for students interested in Canadian news, current affairs, politics, and social issues. In addition to discussing the basic components and foundations of our legal system, the course will explore some of the significant issues facing Canadians and how the law connects to these issues. Other broad topics include: the Canadian Charter of Rights and Freedoms, Criminal Law, Civil Law and Family Law.

PHILOSOPHY 12

Philosophy is a discipline that examines the fundamental nature of knowledge, reality, and existence. This course will examine influential philosophical questions through the development of tools for investigating meaning, reasoning, and understanding of different ways of thinking. Students will explore ideas that ask questions such as: “what is real, how can anything be known, what is the nature of the universe, what is good and evil, and is there a meaning of life?”

PHYSICAL GEOGRAPHY 12

Physical Geography 12 can be simply described as the study of the earth. The theme of this course reflects the interactions between the 4 spheres (lithosphere, hydrosphere, biosphere, and atmosphere), how human actions impact the 4 spheres, and how the 4 spheres affect humans. Aspects of this course include topics such as plate tectonics (ex. volcanoes and earthquakes), geology, meteorology (ex. weather and climate), glaciation, and hydrology. How humans interact with the 4 spheres (ex. resource use and the impact on the environment/sustainability issues) will be an integral part of the course.

POLITICAL STUDIES 12

Political Studies 12 focuses on power in relationships between individuals, group and the government. This course will improve your critical-thinking and communication skills, and will enable you to develop and support informed opinions about current events and political issues. It focuses on political ideologies, government, media and ethics. It provides students with opportunities to voice their opinions, participate in simulations, and debate with others on current matters – local to global. Upon completion, students will be more informed and capable citizens better equipped to make a difference in our community, nation, and world. A unique feature of this course is the use of an award-winning simulation game called The Civic Mirror. **Note: Use of a laptop computer is required in this course. If students do not have access to one, the school may be able to assist.**

PSYCHOLOGY 12 (B/AA)

Are you interested in the brain and behaviour? Through the study of psychology, students will acquire an understanding of and an appreciation for human behaviour, behavioural interaction, and the development of individuals. Topics of study include sensation and perception, learning, human development, personality and psychological disorders.

AP PSYCHOLOGY 12

The AP Psychology course is designed to introduce students to the systematic and scientific study of human behaviour and mental processes. This course is recommended for those students who have an interest in a comprehensive study of the breadth and depth of psychology and may wish to pursue it further at a post secondary institution. This course focuses on developing student skills that include: critical thinking, essay writing, research and experimental methods, academic reading, and oral presentation skills. The AP exam (\$135) will be written in May but is not mandatory and successful completion of this exam will result in university credit. This is an approved secondary course that may be used for admission GPA calculation.

SOCIAL JUSTICE 12

This course comprises 3 main elements of investigation: defining social justice, recognizing and analyzing social injustice, and moving toward a socially just world. Students examine social perspective using approaches drawn from the social sciences and philosophy. Students will do an analysis of historical and contemporary situations that will give them a broad perspective of social injustice, in Canada and globally. A key component of this course is a student-created social justice action plan, encouraging students to design ways to effect social change effectively and responsibly. Engaging in responsible personal and social action encourages community membership and collective responsibility for the wellbeing of all members of that community.

TECHNOLOGY EDUCATION

WHERE THINGS ARE MADE...

Heritage Woods Technology Education inspires students to turn dreams into actual objects that make up the world around us. From concept to fine finishing, students take control of the tools and technology used to design and fabricate metal, plastic, wood and other raw materials then use them to create everything from jewelry, to go-karts and furniture. A Tech Ed student really can say “Yes, I made that”.

CONSTRUCTION COURSES:

CREATIVE WOOD DESIGN 11 (AS)

This exciting course offers students the opportunity to learn how use wood to express themselves creatively. They will learn safe use of the basic tools and facilities as they design and create a number of exciting projects. The projects will emphasize the creative use of wood to craft objects that are artistic as well as useful. Lathe work, sculptural 3D and 2D carving, steam bending, laminating, routing and faux finishing will be some of the techniques taught.

WOODWORK 11 (AS)

This course continues to develop students’ understanding of joinery, machine operations and hand tool procedures. The use of shop jigs and production methods will be explored, utilized and perfected to prepare students for our exciting upper level courses. Students will work together on a class project as well as designing and building their own project.

WOODWORK 12

Focus: Cabinet Construction (AS)

This course will focus on designs and construction of cabinets and entertainment centers. Students will design and build using one or design themes and working with standard production methods. Students will also work on projects in groups under the direction of the instructor.

Recommendation: Woodwork 11

WOODWORK 12

Focus: Furniture Construction (AS)

This course will focus on designing and constructing fine furniture employing methods used in industry and the skills that they have previously learned. Students will research and design furniture such as desks, chests, tables and much more, using different styles to create replicas or their own designs.

Recommendation: Woodwork 11

WOODWORK 12

Focus: Woodcraft Products (AS)

This course will focus on Guitar and Boat building procedures. Students will work on class projects as well as designing and building their own. Many students will leave the class with a fully functional, professional quality guitar. Others will leave with a boat or kayak that is ready to go in the water. This course best suits students who have a strong desire and the financial resources to complete their chosen project.

Recommendation: Woodwork 11

DRAFTING & DESIGN COURSES

DRAFTING & DESIGN 11 (AS)

Focus: Computer-based Drafting This course builds on the skills learned in Drafting & Design 9.

Emphasis will be placed on student independence and involvement in project designs. Basic hand and computer skills will be reviewed. Students will create projects that have relevance in their life. Projects may range from designing jewelry or a new set of rims for a car. Projects may include drawings, presentation, scale models or design illustrations. Students may also have the opportunity to create decals and stencils with the vinyl cutter, as well as use our 3D printer to print out designs in plastic.

DRAFTING & DESIGN 12 (AS)

Focus: Developing & Applying Drafting Skills

Drafting and Design 12 will develop advanced technical drafting skills. Students will work toward mastering 3D and 2D computer drafting skills, learn to develop finished projects, and advance their hand drawing skills. Students will compete in national design competitions. Projects may include designing and manufacturing a personal logo to enhance their work, architecturally constructed houses, mechanical devices and projects that utilize industrial applications. The second half of the term will focus on a student directed “passion project”, applying their skills to designing and creating a product. Students will also have the chance to create 3D objects on the 3D printer.

Recommendation: Drafting & Design 11

TECHNOLOGY COURSES:

ELECTRONICS 11

This course introduces students to electronics. Students will study several aspects of electricity and have the opportunity to explore electrical theory through a series of hands-on projects tailored to the students’ individual interests. Areas of study will include audio circuitry, visual displays, residential wiring, and robotics. Students will use specialized tools, equipment, and techniques used in the electronics field to design and build working circuits.

INDUSTRIAL DESIGN 11 (AS)

This course is a challenging and fast paced exposure to the role of the designer in the industrial design cycle. Metal, wood and plastic model making techniques will be used to explore and refine designs before prototypes are fabricated, tested and assessed. Projects will focus on a wide variety of subjects including Logos, Household Appliances, and Consumer challenges. A wide range of projects will be undertaken. Successful applicants will consult with the teacher to identify and develop their specific course learning outcomes.

Pre-requisite: Any grade 11 Tech Education course.

ADVANCED DESIGN 12 (AS)

Building on skills learned in Industrial Design 11, students will have an opportunity to be involved in self-directed studies focused on topics of individual interest that relate to a variety of career sectors such as engineering, architecture, interior design, landscape architecture, automotive design, fashion design and game design. Students will focus on the use of computer software and 3D printers to develop and prototype designs.

Pre-Requisite: Industrial Design 11

METAL FABRICATION & MACHINING 11 (AS)

This course introduces a variety of metal cutting, forming and fastening processes. Students will be given the opportunity to explore a number of different projects using the techniques taught in this course. In addition to machining, forge work and welding techniques, metal art design and jewelry production techniques are introduced.

TECHNOLOGY 11: MECHANICS (AS)

Focus: Bicycle Mechanics and Pedal Power Technology.

****Open to students in Grades 10-12.**

Welcome to the exciting and dynamic world of bike mechanics and pedal power engineering. Students in this course are encouraged to bring their own bikes to learn a wide variety of mechanical skills, including basic maintenance tasks and diagnostic procedures that can be performed at home to advanced repairs and assignments for professional mechanics. Units will include mechanical systems and components such as wheels, bearings, brakes, gears and suspension, as well as concepts such as materials science and frame design. Students will also learn the basics of welding and frame building techniques and apply that to design and construct pedal-powered machines. Many of these skills and principles can be applied to more complex systems in automotive and mechanical engineering

ENGINEERING & ROBOTICS 11 (AS)

****Open to students in Grades 10-12.**

This course introduces students to the design and construction of robots using VEX robotics and Arduino platforms. This course applies science, technology, engineering and math (STEM) and is largely project based. The course will focus on concepts such as torque, gearing and leverage, which are taught throughout. Students will learn about various input methods (analog vs digital), explore the uses of various sensors, and incorporate them into their designs. The annual game for the VEX Robotics competitions drives the design component of this course. Students receive a basic introduction to computer programming (EasyC, as well as Arduino IDE, both C derivatives), students will work individually and in groups.

ENGINEERING & ROBOTICS 12 (AS)

This course sees an expansion of topics from Robotics 11, with the use of sensory feedback systems considerably more incorporated into their robot designs and computer programming. Students also have the opportunity to learn a new, more versatile programming language, RobotC. They also receive a basic introduction to computer aided drafting/design and prototyping software. Students have various opportunities to work individually and in groups. The VEX annual competition will drive the design component of the course, with a heavy focus on creating efficient, autonomous robots.

Recommendation: Electronics 11 or Engineering & Robotics 11

MECHATRONICS 12 (AS)

Robots! Robots! Big Robots! Integrating the principles of mechanical engineering, electronics and design into a unified discipline, Mechatronics offers students a fun and unique experience to a vast variety of hands-on skills. Students will learn: computer aided 3D design and modeling, 3D printing, principles of mechanical design and engineering, power tools for wood and metal fabrication, welding and electronics control programming. Students taking this course are highly encouraged to join the Heritage Woods Robotics team and use these skills and knowledge to build competitive robots and participate in various regional and international robotics competitions.

ART METAL & JEWELRY 12 (AS)

****Open to students in Grades 10-12.**

This is a course open to students of all abilities who love the idea of designing and creating jewelry and artistic metalwork. The course focuses on making personal jewelry using a variety of different metals and techniques. Students will be encouraged to explore their own creativity and produce jewelry unique to their imagination and design.

METAL FABRICATION & MACHINING 12 (AS)

This course is for students with previous metalworking experience. Through individual and group project work, students will gain skills and experience in advanced metal working processes. Project examples include larger scale work such as Go-Karts and Armor or technically complex work such as Jewelry and Lost Wax Casting.

Pre-Requisite: Metal Fabrication & Machining 11.

THEATRE

DRAMA 10 (FA)

This course will provide students with basic acting skills in areas of voice, movement, stage combat and improvisation in a positive, creative atmosphere aimed at improving students' confidence and group skills. Students learn the conventions of theatre while performing for each other in class, and build a class performance.

MUSICAL THEATRE 11 (B/AA)

Sing! Act! Dance! Have fun, develop new performance skills and create a fabulous major musical production. Instruction provided; no experience necessary. Commitment is all it takes.

Note: Classes run Mon, Wed. Thu 4-6pm and performance evenings.

MUSICAL THEATRE 12 (B/AA)

Students who have performed in Musical Theatre 11 have the opportunity to continue building their skills and developing their craft in another major musical production.

Note: Classes run Monday, Wednesday and Thursday from 4-6 and performance evenings.

Recommendation: Musical Theatre 11

THEATRE 11: ACTING (FA)

Acting 11 is a performance based course designed to allow actors to develop autonomy in their acting process through performance. These actors will be continually engaged in rehearsal or performance of a variety of shows, for a variety of audiences. Significant emphasis will be placed on the student's level of commitment in the class productions.

THEATRE PRODUCTION 11: (FA/AS)

This course is designed to develop skills in backstage theatre, including set design and construction, theatre background, colour, scene painting, properties, lighting, and management. The course will involve the use of equipment, both manual and power, and will involve physical activities. **Note:** This course runs outside the timetable.

THEATRE 12: ACTING (FA)

Students continue developing stronger acting skills, and work on performance projects that challenge and inspire them. Students learn audition techniques and how to transition in to the theatrical world beyond high school. Significant emphasis will be placed on performances throughout the semester.

Recommendation: Theatre 11: Acting

THEATRE 12: TECHNICAL THEATRE (FA/AS)

This course is designed to develop skills in backstage theatre, including set design and construction, theatre background, scene painting, properties, lighting, and management. The course will involve the use of both manual and power equipment and involve physical activities. **Note:** This course runs outside the timetable.

THEATRE 12: THEATRE MANAGEMENT (AS)

Heritage Woods has a very busy theatre, crewed entirely by students. This highly trained group sets up for assemblies, does tech support for performances and speakers, organizes concessions and ticket sales and assists many classes and clubs with their special events throughout the year. This is a project based course; students must be independent workers, motivated and reliable. Teacher recommendation suggested.

Note: Classes run outside the timetable; events happen throughout the day and some evenings.

THEATRE PERFORMANCE 12: DIRECTING & SCRIPT DEVELOPMENT (FA)

Designed for highly motivated learners who have a desire to take their theatrical knowledge to the next level, this course provides students with the chance to write and direct their own one act plays. This course is an excellent opportunity to develop leadership skills while exploring a whole new area of theatrical experience.

Recommendation: Theatre 11: Acting or teacher permission

WORK EXPERIENCE

WORK EXPERIENCE 12A

This course takes students out of the classroom and into the workplace, offering a chance to gain experience in a specific field. This non-traditional classroom also allows students to try out their career choice before dedicating years to post-secondary education. Work Experience 12 consists of 120 hours of instruction: 30 hours of classroom material (about 20 classes) followed by 90 hours of paid or non-paid work experience in the community. Thus, it requires the same number of hours as any other course but breaks them down in a unique manner. The hours worked in the community will also satisfy the work experience requirement for the Graduation Transitions Program.

Employment Focus Areas: Business, Fine Arts, Health & Human Services, Liberal Arts, Journalism, Science, Tourism, & Trades.

WORK EXPERIENCE 12B

This course consists entirely of 120 hours of work experience. You will meet a few times throughout the year with your instructor to make sure that you are on track, but otherwise the entire 120 hours of the course is conducted in the community. **Pre-requisite: Work Experience 12A**

INTENSIVE WORK EXPERIENCE PROGRAM (iWEP)

Are you going into grade 12 and ready to move on from school but still need course credit to graduate? Do you know what field you want to work in but are unsure of what specific job you want? For example, you want to work in the hours of volunteer or employment time by the end of June. This is an awesome opportunity for students to gain exposure to the real world of work and to experience one or many careers. The work placements that students find must provide a meaningful experience that exposes them to their field of interest.

Students wishing to sign up for the Intensive Work Experience Program need to speak with their counsellor or the program coordinator

Transition Programs: “Youth TRAIN in Trades” Program (formerly ACE-IT)

Trades Training is for current high school students who want to gain their level 1 technical certification in one of **18 trades** offered by our district. All the Trades Training programs are **tuition free**! Students who are in the program will receive triple credits: **grade 12 high school credits, post secondary credits** and **industry/trade certification**. Gleneagle Secondary runs one of the Trades Training programs: Professional Cook. For a listing, and more information on all 18 Trades Training and other district programs visit 43Careers.com

See your counsellor or go to www.sd43.bc.ca, click “Programs and Curriculum”, then “Transition Programs” for more information.

SECONDARY SCHOOL APPRENTICESHIP (SSA)

SSA 11A
SSA 11B
SSA 12A
SSA 12B

SSA is designed for high school students who have, or are ready to look for a full or part-time job in a trades field that hires apprentices: construction, cooking, mechanic, hairdressing, electrical, plumbing, etc. The SSA program lets you earn up to 16 credits toward graduation; each 120 hours worked gives 4 credits of high school credit. The employer completes an evaluation of you and a letter grade is assigned, as in a regular classroom subject. At the same time, your work hours will count towards completion of the “on-the-job” training component of the Industry Training Program. You may also qualify for a \$1,000 Secondary School Apprenticeship scholarship if you continue to work in the field six months after graduation. You can even get credit for work done over the summer break.

If you think you are working in or toward an apprenticeable trade, please talk to your counsellor or the program coordinator as soon as possible.

DISTRICT SECONDARY SCHOOLS
Programs of Choice, Advanced Placement (AP) & Other Specialty Courses
2018-2019

Concurrent Studies SFU & Douglas College - Available at All Schools

SOUTH ZONE

Dr. Charles Best *(French Immersion)*

AP Chemistry

AP Physics

AP French Exam

AP Psychology Exam

Independent Directed Studies

Chemistry 12 and Physics 12 students have the opportunity to enroll in AP Chemistry and AP Physics in semester two. Francais 12 students are automatically signed up for the French AP exam as their French language skills are at a very high level through the Immersion Program. Furthermore, students who have excelled in Psychology 12, have scored high on the AP exams and are encouraged to write it. In addition, students who are mastering a course through their own efforts or through outside tutors have the opportunity to sign up and write AP Exams. This has been done in Calculus and Mandarin in the past. Through teacher recommendation, students can sign up to for independent directed study in the elective areas; for instance, Graphics, Drawing & Painting, Photography, Information Technology and Carpentry and Joinery have been popular. Interested students can see their counselor for further information and the registration process.

Centennial

Advanced Placement (AP)/Honours

AP Biology 12

AP Chemistry 12

AP Calculus

AP World History

AP Psychology

Independent Directed Studies (IDS)

IDS: Student wishing to do a **self-directed study** and write the AP exam in May is encouraged to do so. Every year we have a number of students selecting this option. The AP Coordinator is able to track down resources for students and guide them to a teacher who can help out in that particular subject area. As an example, we had students write exams in the following subject areas last year on a self-directed basis:

Calculus AB, Calculus BC, Physics B, Chinese, European History, World History, Japanese 12AP.

In addition, we also allowed a few students from other (non-AP) schools to register and write their AP exams at Centennial.

Our school does **allow concurrent studies**; students would be registering for the winter/spring semester. Centennial has had students do concurrent studies at Douglas College and also at SFU. With counsellor approval, Centennial students can register for any Douglas College first year university-transfer course where space permits. SFU has a similar process.

Pre-AP Science Program - Grade 9 students have the ability to accelerate, thereby providing additional opportunities for the Advanced Placement science courses in grades 11 and 12. Grade 9 students in the pre-AP program work both independently and with a science teacher on Science 9 online in semester one; students then take Science 10 Honours in semester two. Students who choose this program need a computer and internet access. In grade 10, students would take one or more grade 11 level science courses followed by grade 12 level courses in grade 11. In their grade 12 year, students would be eligible to choose from a variety of AP seminar science courses.

Math 9/10 Accelerated Program – The program is for grade 9 students who have demonstrated the ability and desire to participate in an accelerated program of studies in mathematics. Qualifying applicants are enrolled in Math 10 Foundations & Pre-Calculus (Honours) upon the successful completion and outcome on a challenge exam. These students will then be eligible to complete Math 11 (Pre-Calculus OR Foundations) in grade 10; Math 12 (Pre-Calculus OR Foundations) in grade 11; Calculus 12 in semester one of grade 12 and **Calculus AP** or selected concurrent studies Math courses through SFU or Douglas College during semester two of grade 12.

Pinetree

Honors & Advanced Placement

AP Approved Courses

Independent Directed Studies

(IDS) Courses

AP English Language 12

Math AP

AP Physics12

English Literature 12

Science AP Biology 12

Japanese AP Chemistry 12

All courses are face to face and approved by the College Board (See AP College Board Ledger <https://apcourseaudit.epiconline.org/ledger/>). Some courses have up to 60 students enrolled (i.e. Bio 12AP and Chem 12AP). As for the IDS, it is truly independent study on a topic that interests them (Based upon the extended essay in IB). Students choose a topic that suits their interests and then work with faculty to develop those interests. Even though Pinetree does not offer a specific AP Calculus class our Honours program and specifically Calculus 12H prepares students to write either the AP Calculus AB or BC exam. New for 2011/2012 will be the addition of honours classes for Art 9, 11 and 12. These courses will focus on developing the student's portfolio and exploring post secondary educational opportunities in the visual arts in Canada. This is complimented by our Language department an IDS course that prepares students for the Japanese AP Exam.

Honors Courses

Art: Art 9H, Art 11H and Art 12H

English: Humanities 9 Honours; English 10 Honours; **AP English Language 12** (Grade 11 Year); **AP English Literature 12 (grade 12 year)**

Mathematics: Math 9H, Math 10 (Fall)/11 (Spring) and Math 12 (Fall) Honours; Calculus 12 Honours (Spring); Independent Directed Studies (Grade 12 Year)

Social Studies: Humanities 9 Honours; Socials 10 Honours, Socials 11 Honours, History 12 Honours

Science: Science 9, 10 Honours; Bio 11H; **AP Biology 12**; Ch 11H; **AP Chemistry 12**; Ph 11H; **AP Physics12**;

Independent Directed Studies 12

In addition, students may write AP exams in Economics (Macro and Micro) and Psychology.

NORTH ZONE

Gleneagle

Advanced Placement (AP)/Honours

AP Calculus AB (within timetable semester 1)

AP European History (Wednesdays after school Sept. to May)

AP Psychology (Tuesdays and Thursdays after school Sept. to May)

A number of Gleneagle students may write AP exams with us based upon their own studies or those with a private 'tutorial' service (e.g. Biology, Chemistry, American History, etc.)

Honours Courses

English • English 9 and 10 Honours

Mathematics • Mathematics 9 and 10 • **AP Calculus AB**

Social Studies • Social Studies 9, 10 and 11 Honours • Economics 12 (**AP Prep**) • European History 12 (**AP Prep**)

Science • Science 9 and 10 Honours

Social Sciences • Psychology 12 (**AP Prep**)

Info Tech & Media Arts • Digital Media Development 9: Honours

TALONS – The Academy of Learning for Outstanding, Notable Students – **District Secondary gifted program**

COAST - **Coquitlam Outdoor Academic School Term**- outdoor education for selected Gleneagle Grade 10 students

Jumpstart9 - see Specialty Courses below

Heritage Woods

AP Calculus 12

AP Psychology 12

Independent Directed Studies (IDS)

Honours Courses:

English • English 10, 11 and 12 Honours

Mathematics • Mathematics 10 and 11 Honours, and **Calculus 12 AP** -prerequisite is Pre-Calculus12.

Math 9 accelerated: After passing a grade 9 challenge exam, students will be enrolled in, and gain credit for, Math 10. This will allow students to be one year ahead in their math classes, opening up more options, including Calculus AP in their grade 12 year.

Independent Directed Studies (IDS) – There are two specific IDS courses in Philanthropy and Environment. Additionally, students can extend the learning outcomes of any course in the school by attaining the approval of a teacher to work directly with the student. This allows for a highly customized high school education that emphasizes individual passions and areas of interest.

Science Co-op 11 – - see Specialty Courses below.

Hollywood 9 • - see Specialty Courses below

Vocal Tech 11/12

String Orchestra

Music Composition & Technology

Musical Theatre

Dance 9 – 12: Performance and Choreography

Athletic Leadership

Robotics

Port Moody

International Baccalaureate District Program Grade 9 – 12

The International Baccalaureate (IB) Diploma Programme is a challenging two-year pre-university curriculum, primarily aimed at students aged 16 to 19. It leads to a qualification that is widely recognized by the world's leading universities. It is a programme that challenges students to excel in their studies and in their personal growth. The aim of all IB programmes is to develop internationally minded people who, recognizing their common humanity and shared guardianship of the planet to help to create a better and more peaceful world. An IB education is characterized as one that centres on learners, develops effective approaches to teaching and learning, works within global contexts and explores significant content.

The IB Diploma has been offered as an integral part of the broad educational program at Port Moody Secondary since 1986. A high degree of flexibility is built into the program to ensure that students have the opportunity to individually make choices and selections that provide maximum personal benefits.

The IB Program has been adopted as a district program of choice to ensure that all highly motivated and talented secondary students in School District #43 have equal access to the opportunities provided through this internationally renowned program. It is a district-wide program of choice offering a coordinated curriculum from grade 9 through grade 12 for talented and highly-motivated students. IB includes appropriately challenging experiences in an environment of positive stimulation that comes from working within class groupings of similarly motivated and talented students.

For more information please see: www.ibo.org or www.pmssblues.net

EAST ZONE

Riverside

French Immersion

AP Chemistry (semester 2)

AP Physics 12

Independent Directed Studies (IDS) French DELF Exam

Honors Courses:

Mathematics • Mathematics 9, 10, 11 and 12 Honours ; Calculus

Science • Science 9, 10 Honours **AP Chemistry**

English • English 11 and 12 Honours,

[Multicultural](#) Leadership & Green Shirts Leadership

Grade 9/10 1:1 Project – Digital Environment - see Specialty Courses below

Terry Fox

AP English Literature Full year dual credit

AP Psychology 12

AP Chemistry 11 and 12

AP Calculus 12

Independent Directed Studies (IDS) French DELF Exam

First year University Concurrent Studies

Terry Fox Secondary allows and encourages concurrent studies; students would be registering for the winter/spring semester for courses at Douglas College and SFU for first year University-transfer credits where space permits.

Pre-AP Honours Program:

Terry Fox offers students a wide selection of Honours and academic extension courses for students hoping to pursue AP level courses in their senior years. These include:

Mathematics • Math (9, 10) Honours, **AP Calculus 12**

Sciences • Science (10) Honours, **AP Chemistry (11, 12 and seminar)** **English** • English (9, 10, 11 and 12) Honours, **English and Literature 12 AP Social Studies** • Social Studies (9, 10, 11) Honours, **AP Psychology 12**

French • French (10, 11, 12) **DELTA Exams** (see Specialty Courses below)

Science Career CO-OP - see Specialty Courses below

Sport Science 11 - see Specialty Courses below

Chess 11 & 12- see Specialty Courses below

Specialty Courses and Programs of Choice in our District Open to All Students

The following programs are offered on a limited enrolment basis in one or more secondary schools in our district. Students who have an interest in enrolling in any of these "Programs of Choice" should contact their home school counsellor for further information.

Emily Carr – Headstart Concurrent Studies Course Based at Gleneagle

Apprenticeship Programs – Different Secondary Schools

Advanced Placement (AP)/Honours

Pinetree, Centennial

These Advance Placement schools offer coordinated program of enrichment for Grades 9-12. Students will be selected for honours classes in core areas, after an application process. In the senior years, students will be prepared to enter AP (Advanced Placement) classes. These courses allow students to work together in challenging environments that will gradually acclimatize them to the rigors of university classes. This program is designed for students who are interested in attending university. The course of study allows students to work together in a rigorous and exciting learning environment.

Aerobics 12

Terry Fox

This course emphasizes the increase of cardiovascular and muscle fitness. Students will engage in challenging fitness classes. Students enrolled in this course have the option to be certified in the CFES (Canadian Fitness Education Services) Aerobics instructor course. Those students who choose to be certified will learn about instructor teaching skills, program planning, and the components of an aerobics class and safety considerations

Athletic Leadership Program

Terry Fox / Heritage Woods

This course is for the sports enthusiast who would like to learn more about various aspects of leadership in a sporting environment. Some topics covered in the course are: Team Management, Basic Sport Med., Leading Intramural Activities, Building Leadership Capacity, Organization, Sports Nutrition and Event Planning. A practical component of the course will be included. This is a program designed to support student leadership skills through sport management.

Automotive Service Technician “Youth TRAIN in Trades” Program (formerly ACE-IT)

Centennial

This post-secondary program is part of the Industry Training Authority ACE-IT initiative, and is open to Grade 12 students intending to pursue careers as Red Seal certified Automotive Technicians. Students completing this full semester, dual credit, four course program will receive 16 credits toward graduation and will write the Standardized Level 1 assessment exam. A 70% grade on this exam will qualify the student to progress to Level 2 training when requirements for Apprenticeship training hours are met. Work-based training will be an integral part of this program, and must be completed by September 30 of the graduation year. This program is designed for motivated students with a career focus and will provide excellent Apprenticeship placement advantages for successful students. Enrollment in this program will be limited to 18 students per year, and admission will be by application. The application process will include an interview and a review of attendance records and will require a recommendation from the student's Automotive Technology 12 instructor. Applicants will need to have been programmed in such a way as to have completed foundation requirements by the end of the Fall semester of their Grade 12 year.

Foundation: Auto Tech 11 and 12 (C+), English 12 or Communications 12, Math 11 Essentials (B) or Math 11 Principles, “L” drivers’ license, working knowledge of computers.

Biology 12 AP Seminar

Centennial

This Semester 2 course deals with topics in greater detail than in Biology 11 and 12. It has an extensive laboratory component which includes DNA isolation, fingerprinting and transformation experiments. Course content includes: Molecules and Cells – basic biological chemistry, cells, energy transformations (25%); Heredity and Evolution – molecular genetics, heredity, evolution (25%); Organisms and Populations - taxonomy, survey of protista, monera and fungi, plants, animals and ecology (50%). This course will aid the student in scholarship competitions and in obtaining advanced standing or credits at some universities. Foundation courses: Biology 11, Chemistry 11 and Biology 12. Biology 12 should be taken in Semester 1.

Carpentry “Youth TRAIN in Trades” Program (formerly ACE-IT)

Terry Fox

Students will take 4 courses in Semester 2 at Terry Fox then go to Kwantlen Polytechnic University from the middle of June. Foundation courses: C in Math 11 Essentials and physical ability for the job.

Chemistry 12 AP Seminar

Riverside, Centennial, Terry Fox

This course covers material equivalent to first year university chemistry. It is an excellent preview of university chemistry and will give students an advantage in post-secondary science programs.

Foundation course: Chemistry 11 with an “A” or “B.” Chemistry 12 should be taken in Semester 1.

COAST - Coquitlam Outdoor Academic School Term - Grade 10 students

Gleneagle

COAST is about personal development as much as it is about academic development. From the mountains to the sea, students are challenged to extend their learning outside the classroom. By combining academic work with field studies, leadership training, and outdoor education, we aim develop enriched connections and broad understandings to the world around us. The curriculum supports the development of independent, inquiring, life-long learners with a focus on community service. Students can look forward to a semester of building enhanced self-confidence, stronger physical fitness, and a sense of accomplishment within a supportive learning environment.

Chess 11& 12

Terry Fox

Students will develop their analytical and critical thinking skills, and grow in their knowledge of all aspects of the Chess game. Visualization and pattern recognition will be introduced and nurtured. Opening and endgame theory will be examined, as well as students' ability to analyze their own and others' games. This course is designed to act as a bridge from a novice player to an intermediate player. By the time the student completes the course, he/she will be able to compete in almost any chess tournament around the world, as well as play casually for leisure.

Computer Networking 11 and 12

Riverside

This career program connects students in Information Technology Management with a challenging career in the computer networking field. Students are linked with both business and post secondary opportunities.

Concurrent Studies (Douglas College and SFU)

Accepted students will be able to take several university level courses while still enrolled in high school. Courses begin in September and January. Students must see their school counsellor for eligibility and registration information.

Construction Electrician “Youth TRAIN in Trades” Program (formerly ACE-IT)

Best (February to January)

Students will take 2.5 courses in the second semester of Grade 11 followed by work experience in the summer. Students will take 2.5 courses in the fall of their Grade 12 year to complete the program.

Cook Training “Youth TRAIN in Trades” Program (formerly ACE-IT)

Centennial, Gleneagle, Riverside

Topics of study include kitchen layout and maintenance, equipment operation, knife skills, terminology, plate presentation, Food Safe/HACCP, sauces, soups and stocks, and the Pastry Program. Cook Training 12A focuses on elaborate food items such as pates, galantines and secondary sauces as well as the use of more specialized equipment.

Coquitlam Teen Parenting Program

CABE

This program is designed to enable pregnant and parenting teens to continue with their education in a supportive and flexible environment. Courses are offered in a variety of ways including self-paced, structured classes and other options. Students are able to enrol in courses at CABE or at a district secondary school depending upon program availability. Information and courses on children and parenting skills are an important aspect of the program. The YMCA Little Scholars Childcare infant and toddler program is available on site and allows parents to be actively involved with their child while continuing their education. *Please call: (604) 939- 4511 for additional information.*

Culinary Arts Program “Youth TRAIN in Trades” Program (formerly ACE-IT)

Gleneagle, Riverside

Here is a unique opportunity for secondary students to earn graduation credits and industry certification in “Culinary - Cook Level 1 Technical Training” - Level One Red Seal Certification credits.

Dance (Performance Dance)

Port Moody, Terry Fox, Heritage Woods

Students need to be experienced dancers who display dance abilities via an audition. *Focuses specifically on performance skills.

EPIC Program (District)

The purpose of the EPIC program is to facilitate families and schools working in partnerships to ensure that students who are elite performers in athletics, theatre, music, dance and modeling are able to build educational programs that maximize success both in meeting Graduation Program requirements and achieving their potential in their discipline. Student who compete or perform at a provincial, national or international level, students who are recognized as being in the top 10% in their discipline in the province, or students whose participation in a discipline is required to miss scheduled schooling on a regular basis may be interested in this program. For more information, please contact your child's counselor or visit the district site outlining [EPIC](#) information

Experiential Studies 10

Centennial

This program will combine Science 10, Earth Science 11, Planning 10, Social Studies 10, and Physical Education 10. All curriculum requirements for these programs will be met. The program aims to extend and enrich a student's understanding of these five courses. The subjects will be taught in a manner that integrates traditional class work, science labs, projects, and field studies. The field experiences will vary from one to three day trips to one larger two-week trip. Field experiences may center on subjects like biology, geography, geology, history, etc. while doing activities such as kayaking, mountain biking and hiking. Students must attend Centennial for the entire year as there are activities and fundraising done in Semester 1.

Forklift, Bobcat & Scissor Lift Training

All schools- Counselor approval

Forklift is a 2 day course; Bobcat and Scissor Lift are 1 day for Industry Certification. Training is in Vancouver.

Fish & Wildlife 12 (Fisheries Ecology 12)

Centennial

Students in this program play an important role in protecting and enhancing the local environment. Major projects involve the operation of Mossom Creek Hatchery, water quality of local streams, marine studies of harbour seals and plankton, streamside vegetation identification, small vessel operation and VHF radio certification, and environmental outreach via public fairs and visits to elementary classrooms.

Foundation course: Science 10.

French DELF Exams

Terry Fox, Riverside

The *Diplôme d'études en langue française* (DELF) is an internationally recognized series of qualifications awarded to language learners to validate their skills in French. Through an examination process of their speaking, listening, reading and writing skills, students can be granted diplomas at various levels. The resulting diploma issued by the French Ministry of Education is valid for life and is recognized by many educational and business institutions worldwide. French 10, 11 and 12 students will be offered an opportunity to participate in this international French language assessment program.

French Immersion

Riverside, Charles Best

The French Immersion program has several goals that enable students to achieve, reach and become functionally bilingual.

Global Perspectives 12

Pinetree

An exciting program designed to provide students with the opportunity to travel to, and participate in, a hands-on-project in a developing country, as well as develop awareness of global issues and career options in various related fields. This year long program is integrated with Career Preparation Work Experience. Students will be encouraged to develop a vision for their futures, including personal goals, career directions and educational opportunities. The targeted audience is current Grade 10 & 11 students.

Grade 9/10 1:1 Project

Riverside

For the past 9 years, Riverside staff have been working on ways to integrate technology in our teaching and learning practices. This past year, we committed to developing the infrastructure and staff capacity that would enable students to come into the school with their own tablet or laptop and use it daily in the classroom. Our focus with technology is on creating citizens who are able to effectively collaborate, create, problem solve, research, and understand media in both a digital and analog world. We intend to continue with this 1:1 digital environment in which each child brings a device to school. We encourage you to learn about how the technology has been integrated into our classrooms by visiting our school's web-site and principal's blog.

Hairdressing Program “Youth TRAIN in Trades” Program (formerly ACE-IT)

Gleneagle

This is a 10 month in-school training program for secondary school students to earn graduation credits and industry certification in hairdressing. Students earn 24 graduation credits through Secondary School.

Apprenticeship if hired as an apprentice. Students establish themselves in a career that allows them opportunities to explore other options related to the hairdressing industry.

Foundation courses: Completion of Grade 11.

Hockey Academy

Centennial, Riverside, Terry Fox

This course provides the opportunity for male and female hockey players to supplement their minor hockey experience and improve their hockey skills. Course content includes the development of technical skills (power skating included), individual tactics, team tactics, team play/systems, strategy, off-ice training specific to hockey and health and wellness. Students will be required to have previous skating experience and preferably some hockey skills.

Emily Carr Headstart to Art

Gleneagle

Emily Carr offers high school students the opportunity to complete 3 university credits plus a portfolio review. Students must be recommended by their high school art teacher.

Independent Directed Studies (IDS)

All Secondary Schools

IDS courses are intended for students who wish to extend their learning in a particular curricular area of expertise, interest or passion. IDS courses enable students to initiate their own area of learning and to receive credit towards graduation. IDS courses can be academic or in any other area of interest to the senior student.

International Baccalaureate

Port Moody

The International Baccalaureate (IB) program has been adopted as a district program to ensure that all highly motivated and talented secondary students have equal access to the opportunities provided through this internationally renowned program. This is a district wide program that offers a coordinated curriculum from Grade 9 through Grade 12. IB includes appropriately challenging experiences in an environment of positive stimulation that comes from working within class groupings of similarly motivated and talented students.

Joinery “Youth TRAIN in Trades” Program (formerly ACE-IT)

Best

Students take 3 courses in Grade 12 plus Work Experience. The program includes 15 weeks of course work beginning in mid-June at BCIT. Foundation courses: Carpentry and Joinery 11 (B), Math 11 and English 11. Drafting 11 recommended.

JumpstArt

Gleneagle

- an integrated, enriched Art/Humanities program offered for grade 9 students. The JumpstArt program is an excellent option for students who are passionate about art and who may plan to specialize in their senior years.

Learning with Technology 11 Project

Centennial

An alternative study option for English 11, Social Studies 11 and Biology 11. Enrolled in English 11 – Learning with Technology; Social Studies 11 – Learning with Technology; Biology 11 – Learning with Technology; and ICT 11 – Modular Survey.

Music Composition & Technology

Centennial, Heritage Woods

Using both traditional methods and contemporary audio/digital equipment, students will have opportunities to design, create and record music. In addition, students will learn guitar fundamentals or build on their guitar skills. Students will learn open chords, barre chords, and how to read guitar tablature and chord boxes. Students will learn about song form and how to compose with a guitar.

Musical Theatre 11/12

Gleneagle, Pinetree, Port Moody, Riverside, Heritage Woods (9)

Students will learn the basics of singing, acting and movement techniques as they relate to music theatre. The students take a leadership role in directing and producing a musical theatre performance.

Physics 12 AP

Dr. Charles Best (Seminar), Pinetree (Seminar), Riverside

AP Physics is designed to foster physics knowledge, problem solving ability and physics connections to other disciplines and societal issues. AP topics include; kinematics and dynamics with calculus, simple harmonic motion, angular mechanics, direct current circuits, alternating current circuits and optics.

Psychology 12 AP Seminar

Centennial, Dr. Charles Best, COL, Gleneagle, Terry Fox, Heritage Woods

AP Psychology is designed to introduce students to the scientific study of human behaviour and mental processes. Students will be exposed to the psychological facts, principles, and phenomena associated with the topics of neuroscience, behaviour, sensation and perception, consciousness, learning, cognition, emotion, development, personality, disorders, and treatment. Clearly this course is a university-level Psychology preparation. Successful completion of a College Board examination will result in a placement/credit of a typical introductory university/college course in psychology.

R.A.V.E.N.S (Reaching All Varieties of Educational Needs for Students) Humanity 9 Program

Terry Fox

Terry Fox Grade 9 communication skills will be explored within the context of thematic units which encourage students to blend the English 9 and Social Studies 9 curriculum. The emphases are to develop time management skills, increase personal responsibility and foster critical thinking skills that reflect upon the process of learning. Students will further develop their written and oral expression as well as gain a better understanding of themselves and their role and responsibility in society. Students will have the opportunity to learn, develop and apply organizational strategies, knowledge of learning styles, factors of interpersonal intelligence related to learning, engagement and focus. Many class projects will be theme-based and provide hands-on enriched experiences extending and complementing the learning within the Humanities portion of the program.

Recording Arts and Science 9 - 12

Terry Fox (gr.9 -12), Port Moody (gr 10-12)

This course is designed to explore all aspects of audio production. As technology grows, there is ever increasing new fields of 'multimedia' sound production and post-production. This course works for those interested in Music Technology and Recording, Broadcasting, TV & Film, Animation, Theatre and other audio productions. Topics covered in this course will include: basic and advanced mixing techniques for audio CD, theatre and live performance; mixing for Movies and video games, including 5.1 surround sound; recording various soloists and ensembles including rock bands and contemporary music videos; advanced microphone techniques and knowledge of sound manipulation technology such as reverb, flangers, gates, compressors, mixing boards, etc. Voice-overs, synchronization and 'Foley' Artistry will be covered as well as arranging and mixing existing music for multimedia and writing original music using the latest technology.

Rock School 10/11/12

Port Moody, Terry Fox

An innovative course providing instruction on how to play in a modern pop/rock/rap/etc. group. This is for guitar players, bass guitar players, keyboard players, horn players and vocalists who already know how to play or sing but need help in putting it all together. It covers how to market yourself in the real world of music, i.e. promotion, making contracts, understanding contracts, royalties, dealing with agents and how to get a "gig".

Science CO-OP 11 – Digital

Riverside

This exciting career program will offer Grade 11 students the opportunity to enroll in Chemistry 11, Physics 11, Math 11 Pre-Calculus and Work Experience 12 in the first semester of their grade 11 year (see individual course descriptions for more detail). Students will be grouped together as a "cohort" for these classes. The selected courses provide a foundation for further science studies and entrance into a university science program. Technology will be used to assist in this exploration. Students are encouraged to bring their own iPad for this course work or will be required to rent one from the school. Enrollment is limited based on available space and technology. Teaching times will be adjusted so that all students in the program can go on their Work Experience after Christmas break (100 hours) and **not miss classes**. Work Experience placements will be in a science related field. Note: please contact the school for full details.

Science Career CO-OP

Terry Fox, Heritage Woods

This program is for students interested in exploring science-related careers and doing some enrichment/application activities to extend science concepts learned in the regular curriculum. There will be many opportunities for hands on experience through field trips and work experience. In grade 11, students take their science and work experience courses together as a group in Semester II, so that when they do their 3-week work experience they do not miss regular class time. Independent Study in Chemistry and Physics 12 with enrichment topics extended or not usually covered in high school may be included. The grade 12 year is scheduled with the normal flexibility. There is a screened process for the program.

Sport Science 11

Terry Fox

Sport Science 11 is a course designed to introduce students to the concepts and curriculum taught in the faculties of Kinesiology (SFU)/Human Kinetics (UBC). Students are exposed to Biochemistry of the human body, Physics as applied to sport, Principles of Training and injury prevention and management. The course has several projects designed for students to take on some genuine research opportunities.

Steel Fabrication “Youth TRAIN in Trades” Program (formerly ACE-IT)

See Counsellor at any secondary school

Students who complete this program will be employment ready. There will be 2 intakes at BCIT starting in mid-August or February. Foundation courses: Completion of Grade 11, Math 10 Principles or BCIT math pretest

String Orchestra 9-12

Port Moody, Heritage Woods

A credit course in orchestral instruction and performance for violin, viola, cello or double bass players. This course will explore the 'classic repertoire' and will have numerous performance opportunities. Offered in the evening so it will not take away valuable scheduling times during regular school hours, members of our community are invited to join as well.

T.A.L.O.N.S. - The Academy of Learning for Outstanding Notable Students

Gleneagle

The only program of its kind in the Coquitlam School District, specifically designed for *gifted learners* in grades 9 & 10 focusing on the Autonomous Learner Model. It addresses the unique needs of gifted learners by integrating English, Social Studies, Math, Science, Physical Education, Planning and Leadership, allowing learners to form connections only possible in an interdisciplinary program. Application to this program is only available for district identified gifted learners **currently** in grade 8 and application package will be sent to eligible students in middle schools in December 2013.

Technology Design & Invention 11 (Industrial Design)

Pinetree, Riverside, Terry Fox, Heritage Woods


As an exciting and comprehensive program, this course involves both computer activities and project development, and relies on previously acquired design and problem solving skills. Learn to design and create wonderful devices like video games, radio-controlled machines, multi-media, battle-bots, light organs, submersibles, skyscrapers, etc. Learn more about the wonderful world of technology. This course demands a high level of interest, self-motivation and teamwork.

Vocal Technique 11/12 (BAA)

Heritage Woods, Port Moody

This singing course is designed for students who want to learn how to sing solo with proper vocal technique and style. This course is not a choir class and is for the serious singer or the novice. Vocal Technique will include individual, along with group instruction in the areas of vocal technique, sight-singing, theory and working with an accompanist(s). Opportunities to perform will be provided. All styles of vocal music will be covered.

District Career Programs

Career Programs are designed to help students explore careers while still in secondary school to move seamlessly into post-secondary institutions or work. SD43 offers a variety programs to target student's specific needs and situations. Click on [Programs](#) for a full description of all our programs including brochures and registration documents. We also have a  [quick overview](#) of our major programs.

The Inquiry Hub is a small personalized secondary school program located at Millside Centre. The *Inquiry Hub* offers grade 9-12 students an innovative, technology driven, full-time program which allows students to pursue their own learning questions by shaping students' educational experience around their interests and cross curricular studies. This is an ideal setting for self-directed students who are encouraged to take on projects that make a difference, and apply their learning in practical and meaningful ways.

Coquitlam Open Learning (COL)

1. Online Immersion

- Ideal for high school students who are competing or performing at a very high level or need a lot of flexibility with their course schedule and pace of learning.
- Twice weekly face-to-face support available at [Millside Centre](#).

2. Flexible Paced Courses

- Students can cross enroll in COL courses while enrolled in their local high school.
- Each secondary school has a COL liaison teacher to support students at their local school.
- Students take online courses for many reasons including; to accelerate, to upgrade a course mark, to take an additional course, or to work at a more flexible pace.

(See Table on next page for more detail)

COL offers an extensive list of Secondary programming options, including:

Grade 10 Academic		Grade 11 Academic		Grade 12 Academic		Unique Electives	
English 10 – 2 Credits	Online	Biology 11	Online	Biology 12	Online	Accounting 11, 12	CLOC
• Composition		Business Computer App 11	CLOC	Calculus 12	CLOC	Data Management 12	CLOC
• Creative Writing		Chemistry 11	Online	Chemistry 12	Online	Family Studies 12	CLOC
• Literary Studies		Communications 11	CLOC	Communications 12	CLOC	Marketing 12	CLOC
• New Media		Earth Science 11	CLOC	Comparative Civilizations 12	CLOC	Planning 12 (Adult Grad only)	CLOC
• Spoken Language		English 11	Online	English 12	Online	Tourism 12	CLOC
English 10 – 4 Credits	Online	French 11	Online	French 12	Online	Work Experience 12	Online
(2 of the above choices)		Info. & Comm. Tech 11	CLOC	Geography 12	CLOC		
Math 10 Foundations & Pre-Calc.	Online	Intro Japanese 11	Online	History 12	CLOC	YELL – Entrepreneurship 12	Blend-
Math 10 Apprenticeship	Online	Japanese 11	Online	Info. & Comm. Tech 12	CLOC	(Application process May '18)	ed
French 10	Online	Intro Mandarin 11	Online	Japanese 12	Online		
Career Life Education 10	Online	Mandarin 11	Online	Law 12	CLOC	Cheer Fitness 11	Online
Planification 10	Online	Intro Spanish 11	Online	Mandarin 12	Online	Cheer Leadership 12	Online
Physical Education 10	Online	Spanish 11	Online	Math 12 Foundations	CLOC		
Science 10	Online	Math 11 Apprenticeship	Online	Math 12 Pre-Calculus	Online		
Social Studies 10	Online	Math 11 Foundations	Online	Physics 12	CLOC		
		Math 11 Pre-Calculus	Online	Spanish 12	Online		
		Physics 11	CLOC	Writing 12	Online		
		Science and Tech 11	CLOC				
		Social Studies 11	Online				
		20 th Cent. World History 11	Online				
		- (Social Studies 11 credit)					
<div> <p>Interested in Summer Learning?</p> <p>Grade 10-12 'Fast Track – Online Blended'</p> <p>Courses are available: SummerLearningCoquitlam.ca</p> <p>Talk to your counsellor to help with course planning.</p> </div>						<div> <p><i>Youth Work in Trades</i> Formerly Secondary School Apprenticeship. Earn hours towards trade certification while gaining up to 4 high school courses. Go to: 43Careers.com</p> </div>	

Three types of learning environments:

- Online (Continuous Entry):** flexible pacing, communication is predominantly via online tools.
- Blended (Online blended):** specific start/end dates, semester or full year, regularly scheduled face-to-face classes used for seminars, group discussion, labs, or extra support.
- CLOC (Adult Learning Center):** continuous entry, includes both paper-based and online courses, learning support hours, only for students 17+ or with permission.

COL is pleased to offer a range of learning supports including:

- Support teacher in every SD43 secondary school
- Write tests and get support right in your home school
- Ongoing local drop-in support
- Live teacher-led webinar sessions
- Extra testing and online support in the evenings
- Language Lab support hours

Learn more at: **Online.sd43.bc.ca**