

Heritage Woods Secondary



Course Planning Booklet
2015-2016

Come See This Year's Musical



A Heritage Woods Production

May 1, 2, 8, 9
7:30 pm

Adults: \$12
Students/ Seniors: \$10

Directed and Choreographed by
Danica Kobayashi and Kaila Kask
Artistic Director: Shanda Walters

THE **Little Mermaid** JR.

Music by Alan Menken
Music Adapted and Arranged by David Weinstein
Lyrics by Howard Ashman and Glenn Slater
Book by Doug Wright
Based on the Hans Christian Anderson Story and Disney

1300 David Ave, Port Moody
604.461.8679

H. Bennett

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

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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. K. Cober, Principal
Mrs. J. Moss, Vice Principal
Ms. A. Stuart, 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:
 - Online learning opportunities: visit <http://online.sd43.bc.ca>
 - Summer School District #43 (Coquitlam)
 - Continuing Education
 - Distance Education

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

COURSE REQUIREMENTS			
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, Physical Education 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, Planning 10, Physical Education 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, Social Studies 11 or Civics 11 Any Science 11, Four (4) electives, Daily Physical Activity – (see page 5 for details)</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, 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 9 Honours – teacher recommendation
- English 10 Honours – teacher recommendation
- English 11 Honours – teacher recommendation
- English 12 Honours – 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 H	Ms. Joan Stuart	jostuart@sd43.bc.ca
I to N	Mrs. Lasta Graf	lgraf@sd43.bc.ca
O to Z	Ms. Robyn Sinclair	rsinclair@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. Most courses are semestered. However, Math 9 and PE 9 are taken all year, on alternating days.

1. Required Courses:

- English 9 or English 9 Honours
- Math 9 or Math 9 Accelerated
- Social Studies 9 or Social Studies 9 Cultural Exchange
- Science 9
- Physical Education 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.



ENGLISH

ENGLISH 9

This course will continue the study of all literary genres: poetry, novel, short story, drama, speeches and essay. There will be an emphasis placed on analysis and inference, as well as the ability to articulate ideas.



English 9 Honours

English 9 Honours is an option for students who enjoy reading and wish to learn more about literary culture and traditions. In Honours 9, you will join with like-minded classmates who will bring energy and enthusiasm to the classroom. You will read from a variety of sources, write in a variety of genres, and view related films. The readings, writings, activities, and discussions will be a beneficial foundation for those students who are considering academic pursuits in the future.

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 DRAMA 9

Does public speaking make you nervous? Are you the class clown waiting for your chance to perform? If the answer is yes to either of these questions, this class is for you. In a fun, supportive environment, you will gain the physical and vocal skills to feel confident talking, presenting and performing in front of others. Course content includes games, role play, improv and script work. This is an introductory class, no experience required.

EAL LEADERSHIP 9

EAL Leadership allows EAL students to develop and practice English skills while exploring their leadership abilities. A full description can be found in the EAL course booklet.

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

An integrative approach to second language learning will be used in this course. Songs, games, videos, and audio recordings will be used regularly to bring the culture and language alive in the classroom.



JAPANESE 9 - BEGINNER

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 also have an opportunity to learn about Chinese culture and the basic grammatical structure of the language. There will be an emphasis on oral communication skills as well as Hanyu Pinyin.

SPANISH 9

This is an introductory course that will enable students to understand and communicate at a basic level. Aside from basic grammar and vocabulary, students will also learn about various Hispanic cultures and customs.

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 25 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 7 and/or 8. The course will involve instrumental technique, performance, theory, music history, and music appreciation.

Note: *This course occurs outside the timetable*

JAZZ BAND 9

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. 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--BEGINNER

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.

VOCAL 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.

Note: *This course occurs outside the timetable*

MUSICAL THEATRE 9

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.*

Note: *This course occurs outside the timetable.*

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 with work on vocal technique and jazz styles. As well, there will be many performances in and out of school hours.

PHYSICAL EDUCATION

PHYSICAL EDUCATION 9

This course will provide an opportunity for students to develop their skills, knowledge and attitude in a wide



variety of physical activities. Students will participate in team, individual and partner activities that will foster fitness, teamwork, cooperation, social responsibility, and sportsmanship. When appropriate, team teaching will occur.

ELECTIVE PHYSICAL EDUCATION COURSES

AGILITY 9: CO-ED AM (AGILITY 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. Special emphasis will be placed on developing individual programs that best meet the student's needs.

Note: This course is open to grade 9 athletes and is in addition to the regular 8 classes.

Note: This course will take place in semester 1 from 7:15 – 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.

Note: This course takes place in semester 1 only.

SCIENCE

SCIENCE 9

Science 9 continues the exploration of Life, Physical and Space Sciences. Life Science focuses on cell reproduction. In Physical Sciences, students study the periodic table, chemical reactions and atomic structure followed by an introduction to electricity and circuits. Space Science covers the organization of our solar system, the life cycle of stars and a discussion of our current understanding of the universe.



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.



SOCIAL STUDIES 9- CULTURAL EXCHANGE (network/laptop-based course)

Social Studies Cultural Exchange 9 is an enhanced course. Students work with the Social Studies 9 curriculum, integrating various technologies and interacting with people of foreign cultures. Ideally, students will take the opportunity to participate in a future exchange to a foreign country

Note: Use of a laptop computer is required. If students do not have access to a laptop, the school may be able to arrange one.

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! Be part of the school musical.

Note: See description under *Music*.

A full grade 9-12 Course Planning Booklet can be seen online at www.sd43.bc.ca/heritagewoods

GRADUATION PROGRAM

GRADE 10-12 80 CREDITS

1. Required courses

English 10, 11 and 12 (English or Communications at 11/12)	12 Credits
Social Studies 10	4 Credits
Socials 11, Civics 11 or First Nations 12	4 Credits
Science 10	4 Credits
Science 11 or 12 (Chemistry, Physics, Biology, Earth Science, Science & Tech, Geology)	4 Credits
Mathematics 10 (Apprenticeship or Foundations or Pre-Calculus)	4 Credits
Mathematics 11 (Apprenticeship or Foundations or Pre-Calculus) OR	
Mathematics 12 (Apprenticeship or Foundations or Pre-Calculus)	4 Credits
Physical Education 10	4 Credits
Planning 10*	4 Credits
Fine Arts or Applied Skills 10, 11 or 12 course (see choices)	4 Credits

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**

DAILY PHYSICAL ACTIVITY

Students taking linear PE 9, 10 or 11 will meet the DPA requirements for the year. Students in grades 10, 11 and 12 will need to download and fill out the document on the school portal site under DAILY PHYSICAL ACTIVITY. The form then needs to be signed by a parent/guardian, and then handed in to Mrs Gay/Mme Ferrer. Please see Mrs. Gay/Mme Ferrer if you have any questions.

*PLANNING 10: 4 CREDITS

This is a required course for all grade 10 students. The aim of Planning 10 is to enable students to develop the skills they need to become self-directed individuals who set goals, make thoughtful decisions, and take responsibility for pursuing their goals throughout life. The four curriculum organizers are Graduation Program, Education and Careers, Health, and Finances.

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 10
- Science 10
- Apprentice & Workplace Math 10 or Foundations of Mathematics & Pre-Calculus 10
- Social Studies 11, Civics 11 or First Nations 12
- Communications 12 or English 12

Provincial exams marks are blended with course marks:

- Grade 10 and 11 exams are worth 20%, course work 80%
- 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

GRADE 10-12

ART

VISUAL ART 10: GENERAL

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 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 11: ADVANCED (FA)

This course offers an advanced study of art. Students wanting to delve into specific topics, techniques or mediums can pursue their own projects. Those students wanting a more structured experience will be given more specific projects. Advanced topics will be presented in class for critical discussion.

PHOTOGRAPHY 11 (B/AA)

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.

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. The elements and principles of design as well as the influences of different other cultures and artists, like Andy Warhol, Matisse, and Picasso may be applied in students' artwork.

YEARBOOK 11 (B/AA)

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.

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.

ART FOUNDATIONS 12 - ADVANCED (FA)

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

BUSINESS EDUCATION



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.

DESKTOP PUBLISHING 12 (B/AA)

Focus: 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.*

PHOTOGRAPHY 12 (B/AA)

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 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.

ACCOUNTING 11

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.

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!

ECONOMICS 12

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.

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

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. There will be emphasis placed on unified, multi-paragraph compositions. Reading material will cover a variety of themes and styles. **This course has a compulsory Provincial exam worth 20% of the final mark.**

ENGLISH 10 HONOURS

English 10 Honours is intended for students who wish to further polish their skills in speaking, listening, reading and writing. This course emphasizes the development of students’ skills in academic writing and requires students to read widely. **This course has a compulsory Provincial exam worth 20% of the final mark.**

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.



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.

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.

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 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.



Shakespeare

English 12 Honours

English 12 Honours is an option for students who enjoy reading and wish to learn more about literary culture and traditions. In Honours 12, you will join with like-minded students in wide-ranging activities and discussions. You will read a variety of short stories, non-fictional works, and poems. You will view related films and hear related music. The program will, of course, prepare you for the provincial final, but it will also help prepare you for post-secondary academic studies.

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

ENGLISH LITERATURE 12

This course presents a chronological survey of the works of major English writers from Anglo-Saxon to Modern times. In addition to studying the individual author's relationship to the times in

which he or she lived, students will have opportunities to create and to present various literary works. As there are no tests, the focus will be on writing, discussing and sharing perspectives on the development of English literature. Literature 12 is strongly recommended for every university bound student.

WRITING 12

Writing 12 is a rewarding elective course that is designed for students who have an interest in and a flair for writing. This course provides opportunities for students to extend their writing skills and experiences in all the major genres—poetry, playwriting and fiction. Writing 12 is intended to encourage students to experiment with the written word and produce effective original works. The course moves from preparing to write, all the way through to getting your work published. This course is intended for students who have an interest in expressing their views of the world through their writing. Prerequisite: it is recommended that students complete English 11.

ENGLISH as an ADDITIONAL LANGUAGE (formerly ESL)

For EAL progression chart, see p.19

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 enrol in EAL support/tutorial classes.

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 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.

EAL SUPPORT TUTORIAL (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 cannot do or understand. This class aims to help students be successful at school and to connect with other students.



EAL LEADERSHIP 10

EAL LEADERSHIP 11

EAL LEADERSHIP 12

EAL Leadership allows EAL students to develop and practice English skills while exploring their leadership abilities. Please see full description in the **Leadership** section.

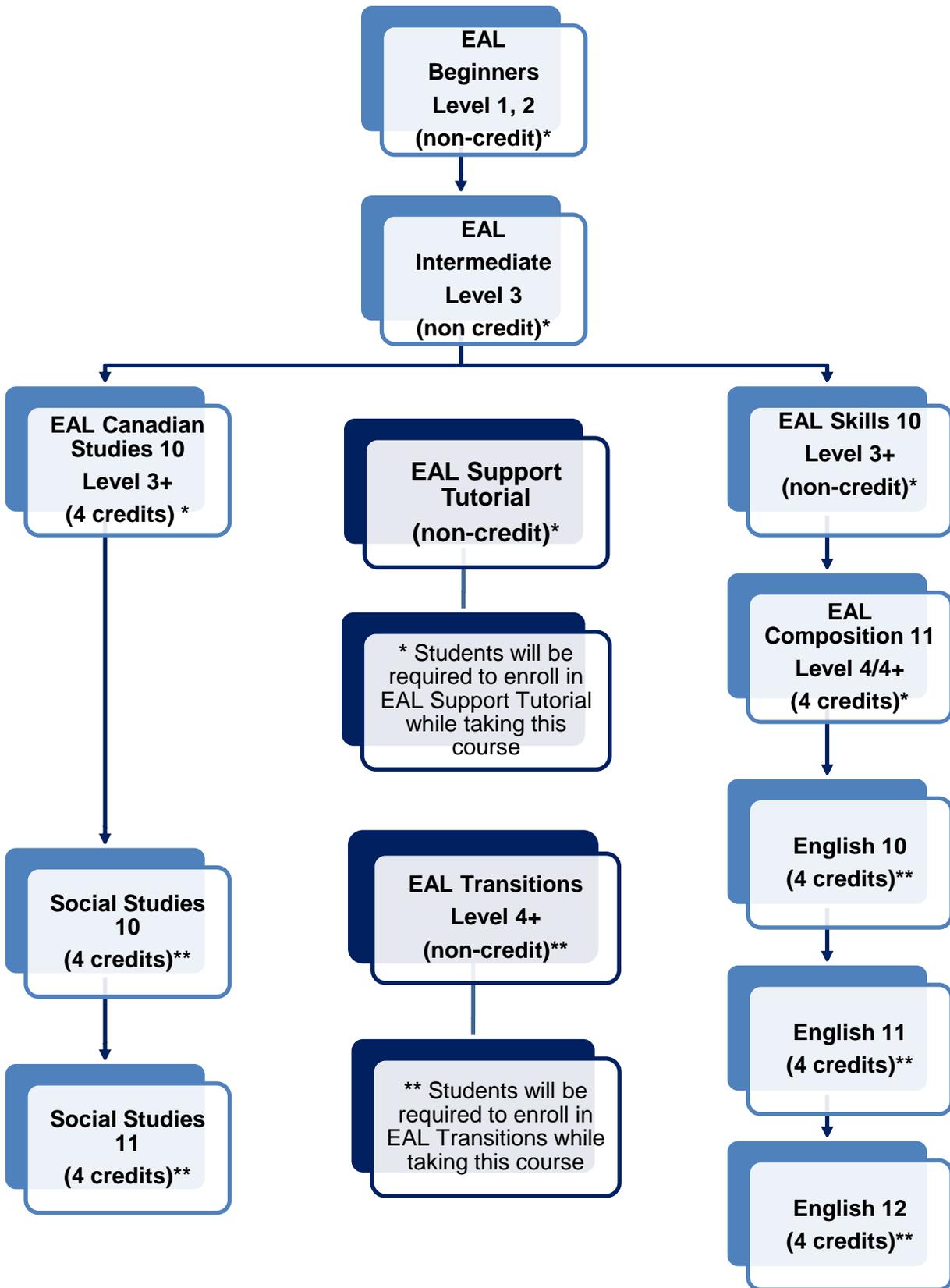
EAL DRAMA 10 (FA)

EAL ACTING 11 (FA)

EAL ACTING 12 (FA)

Does public speaking make you nervous? Are you the class clown waiting for your chance to perform? If the answer is yes to either of these questions, this class is for you. In a fun, supportive environment, you will gain the physical and vocal skills to feel confident talking, presenting and performing in front of others. Course content includes games, role play, improv and script work. This is an introductory class, no experience required.

**Progression of Courses for ELL (English Language Learning) Students
(formerly ESL)**



FILM & MULTIMEDIA

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.



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.

ANIMATION 12 (B/AA)

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 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.

3D Game Design 12

This online course taught by Mr. Schoenhals from Heritage Woods is open to all students. The course has flexible start dates and must be completed within 10 months of registration. Students will participate in various online activities, including Blackboard Collaborate online lessons, online discussions, and e-mail interactions with the teacher. 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. Currently the course allows for students to create RPG/Adventure, Action or Multiplayer games. Optional face to face seminars will also be available. Each student will receive a DVD with tutorials, lessons, example material and valuable programs. Other course material will be provided through a web resource site. Each student will also receive their own personal copy of Animation Master and 3D Game Studio.

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, 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.



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!



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.

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

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 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 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 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

INDEPENDENT DIRECTED STUDIES (IDS)

At Heritage Woods, students may pursue individual IDS courses. These 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. Most IDS courses are linear and run outside the regular timetable, on top of a student's regular eight courses. IDS courses are worth 4 credits.

There is no limit to the total number of IDS courses a student may take. Grade 12 IDS courses may be used to count toward the minimum of 16 Grade 12 credits required for graduation

Students may sign up for IDS courses during course selection; however, **they must apply to officially take that course in April.** The application process includes a discussion of their proposal with a teacher who agrees to work with them, followed by the approval of an administrator. Students must complete at least 120 hours of learning during the course.

IDS GENERAL STUDIES

Individual IDS studies can be arranged in many courses to engage students in their particular area of interest. IDS courses allow students to study one or more learning outcomes in-depth or to study a wide variety of learning outcomes from a single course more broadly. Currently, IDS General courses are offered in Computer Programming, TV/Film, Music, Family Studies, Reading, Physics, Biology, and Chemistry. Every IDS General student must have permission from a sponsor teacher willing to work with them on a continuous basis throughout the school year.

IDS PHILANTHROPY

In IDS 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.

IDS RED CROSS/KODIAK'S KARE (K2)

In IDS 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.

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 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

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.

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 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

LANGUAGES



FRENCH 10

Students will continue to improve their communication skills in French using a variety of activities. Students will be able to explore francophone culture in depth. Songs, games, videos, and audio recordings will be used regularly to bring the culture and language alive in the classroom.

Recommendation: French 9

JAPANESE 10 - BEGINNER

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. This class is open to grade 10, 11 and 12 students.

MANDARIN CHINESE 10

Students who have some knowledge of Chinese characters (simplified) and Hanyu Pinyin will feel comfortable at this level. Students will practice speaking and listening as well as reading and writing skills. Students will get the opportunity to experience various aspects of the Chinese culture through reading popular books, music, and games.



Recommendation: Mandarin Chinese 9

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.



Recommendation: Spanish 9

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 learn conversation skills, Hanyu Pinyin, simplified Chinese characters, and basic Chinese grammar. This intensive course incorporates Mandarin 9 and 10. As a result, it will be fast-paced and require good work habits.

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 university admission.

FRENCH 11

Students will further develop their linguistic competency by learning more complex grammatical structures. More emphasis will be placed on oral communication. Authentic materials will be used to enhance cultural understanding. Successful completion of this senior level course gives students sufficient second language credit for university admission.



Recommendation: French 10

JAPANESE 11 - INTERMEDIATE

This course is for students who have a basic understanding of Japanese and knowledge of hiragana & katakana alphabets. Students will learn a more sophisticated level of grammar as well as some kanji (Chinese characters).

Emphasis is on conversational Japanese as well as Japanese cultural trends. This class is open to grade 10, 11 and 12 students.

Recommendation: Japanese 9 or 10 - Beginner

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 or permission from the teacher.

SPANISH 11

This course expands on the basic vocabulary and expressions taught in previous course(s).



Grammar, writing and conversational skills are emphasized. Students must be willing to devote time to the mastery of these essential skills. The culture and history of the Spanish-speaking world will be further explored. Successful completion of this course gives students sufficient second language credit for university admission.

Recommendation: Spanish 10 or Introductory Spanish 11

FRENCH 12

This course continues where French 11 left off. It will provide more intensive training in the development of reading, writing, speaking, and listening skills, as well as a more detailed study of French culture and literature. Students will be expected to communicate extensively in French.



Recommendation: French 11

JAPANESE 12 - ADVANCED

This course builds upon the previous years of Japanese study. Emphasis is on written accuracy. Students will learn more about the language and culture of Japan, as well as have many opportunities to challenge themselves in using the language. This class is open to grade 10, 11 and 12 students.

Recommendation: Japanese 11-Intermediate

MANDARIN CHINESE 12

This course provides students with an opportunity to develop a deeper understanding of Chinese idioms and Chinese culture. Students will further develop the four skills of listening, speaking, reading, and writing in Chinese. By the end of Mandarin 12, students should be aware of and sensitive to Chinese values and customs through the study of literature and discussion of current events. This course will be offered every other year starting in the 2009/2010 school year.

Recommendation: Mandarin Chinese 11

SPANISH 12

This course refines the speaking, listening, reading, and writing skills developed in Spanish 11. Students will study Spanish culture, customs, and literature. In this course, students will be expected to communicate extensively in Spanish.

Recommendation: Spanish 11

LEADERSHIP

LEADERSHIP – INSIDE THE TIMETABLE

EAL LEADERSHIP 10 (B/AA)

EAL LEADERSHIP 11 (B/AA)

EAL LEADERSHIP 12 (B/AA)

EAL Leadership allows EAL students to develop and practice English skills while exploring their leadership abilities. Students will learn about leadership qualities and strategies, and be responsible for planning and running a variety of small scaled events. Students will learn to use communicative strategies to negotiate, discuss, plan in group settings, as well as practice and develop public speaking skills. Students are expected to keep a journal to record and reflect on their experiences and their learning, using the writing techniques and vocabulary covered in class. They will develop a sense of pride having planned and run events, have a better appreciation of the importance of teamwork and community connections, as well as gain confidence in using English.

JUNIOR LEADERSHIP 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 25 service hours beyond the regular scheduled class time.

SENIOR LEADERSHIP 11 (B/AA)

SENIOR LEADERSHIP 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 25 service hours beyond the regular scheduled class time.

LEADERSHIP – OUTSIDE THE TIMETABLE

OT LEADERSHIP 10 – INTRAMURALS (B/AA)

OT LEADERSHIP 11 – INTRAMURALS (B/AA)

OT LEADERSHIP 12 – INTRAMURALS (B/AA)

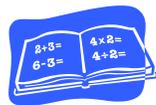
It is an elective course that will run during lunchtimes, flex, and some hours after school. It is a full year (linear) class that focuses on organizing and running intramurals for HWSS. The class will run both the junior and senior intramurals at lunchtime. However it is not expected that students miss 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.

MATH

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.

APPRENTICESHIP & 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, unit pricing and currency exchange and demonstrating an understanding of types of income. All topics are taught within a framework of problem-solving. **This course has a mandatory Provincial exam worth 20% of the final mark.**



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 surface area and volume of 3-D objects, applying trigonometric ratios to right triangles, irrational numbers, powers involving integral and rational exponents, polynomials, coordinate geometry with linear relations, systems of linear equations and using function

notation. **This course has a mandatory Provincial exam worth 20% of the final mark.**

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.

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.

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.

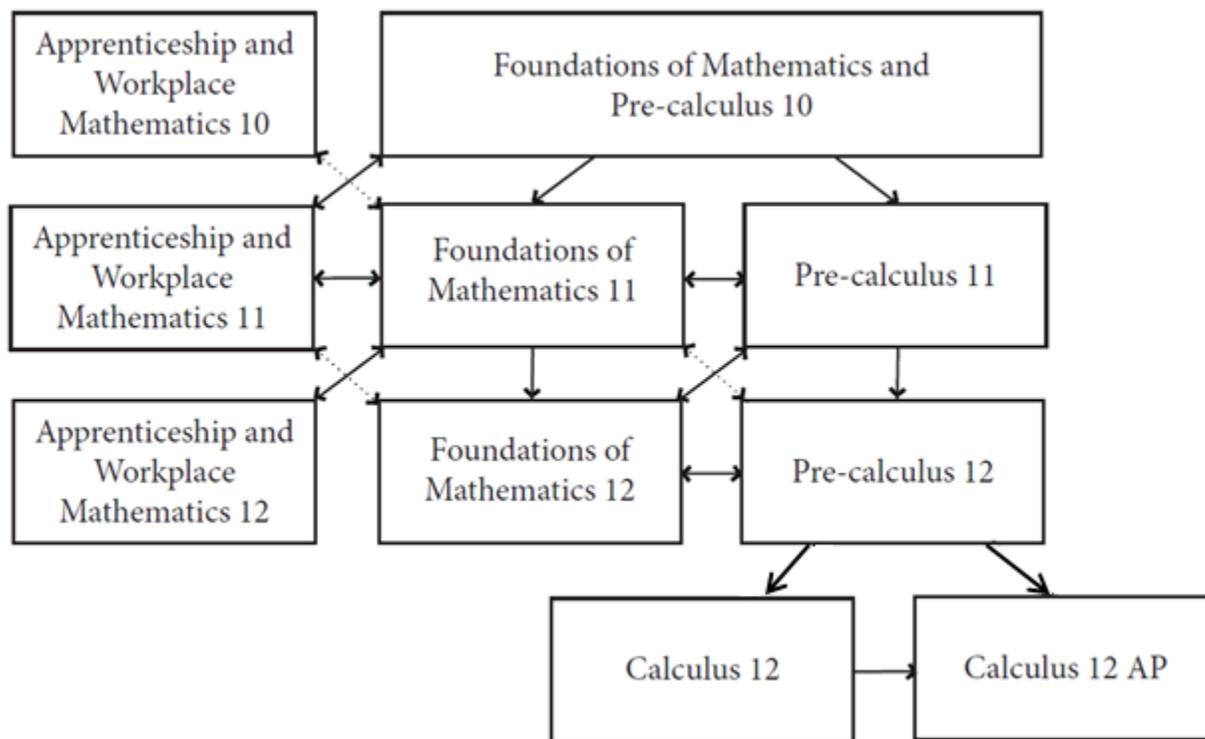
Recommendation: 73% or better in Math 10 Pre-Calculus.

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.



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.**

APPRENTICE & WORKPLACE MATH 12

This course is specifically designed to provide students with the mathematical understandings and critical-thinking skills identified for a career in the trades industries or for direct entry into the work force. Topics include Measurement, Trigonometry, Geometric Transformations, Number Puzzles, leasing or buying a vehicle, small business, Linear Relations, Central Tendency, and Probability

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.

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.

Pre-requisite: > 90% in Pre-Calculus 12

MUSIC

INSTRUMENTAL MUSIC PROGRAM (INS)

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.*

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

Beginning Band 10

Beginning Band 11

Beginning Band 12

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.

GUITAR - BEGINNER 10-12 (FA)

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-INTERMEDIATE 10-12 (FA)

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.

GUITAR-ADVANCED 11/12 (FA)

This advanced course is designed as a continuation of the skills presented in Intermediate Guitar. Further emphasis will be on developing note-reading skills, barre chords, and more advanced accompaniment styles. Small group/combo playing will be introduced as well as the basics of a rock/jazz rhythm section. It is recommended that students have a solid foundation in both modern and classical guitar techniques.

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

CONCERT BAND 10 (FA)

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.

Recommendation: Band 9 or by audition



JAZZ BAND 10 (FA)

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. **Students must have previous experience on their instrument.**

STRING ORCHESTRA 10 (FA)

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.

Recommendation: String Orchestra 9 or by audition

CONCERT BAND 11 (FA)



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.

Recommendation: Band 10 or by audition

JAZZ BAND 11 (FA)

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.

STRING ORCHESTRA 11 (FA)

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.

Recommendation: String Orchestra 10 or by audition

CONCERT BAND 12 (FA)

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 occurs outside the timetable
Recommendation: Band 11 or by audition

JAZZ BAND 12 (FA)

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 course occurs outside the timetable.

STRING ORCHESTRA 12 (FA)

Students will continue the course studies outlined in String Music 11 and will be expected to provide a leadership role within the ensembles.

Note: This course occurs outside the timetable
Recommendation: String Orchestra 11 or by audition

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.

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

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**

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

CONCERT CHOIR 10 (FA)

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.

CONCERT CHOIR 11 (FA)

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.

CONCERT CHOIR 12 (FA)

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

VOCAL JAZZ 10(FA) VOCAL JAZZ 11 (FA) VOCAL JAZZ 12 (FA)



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.

MUSICAL THEATRE 11 (B/AA)

Take part in a major musical production! Students in the musical theatre class will be cast in a large scale musical performed for student and public audiences. Students don't have to be

experts in singing, dancing and acting; instruction is provided.

No experience necessary: hard work and commitment is all it takes. Classes run Monday, Wednesday and Thursday from 4-6 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.

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

Recommendation: Musical Theatre 11

MUSIC TECHNOLOGY

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

MUSIC COMPOSITION AND TECH 11 (FA) MUSIC COMPOSITION AND TECH 12 (FA)

Focus: Creating Music and Recording



No previous training in Music is required.

This course starts with any skills you already have with computers and/or instrument (including voice). Using traditional methods and audio digital equipment, you will have opportunities to design, create, edit and record your music. 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 (CD/Website) of music.

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>

CONTEMPORARY MUSIC 11 (B/AA) (AS/FA)

CONTEMPORARY MUSIC 12 (B/AA) (AS/FA)

Focus: Music Fusion

This innovative course will provide instruction on how to play in small ensembles covering repertoire through the history of western music (Classics through Current Day). This course is for any woodwind, brass, percussion, guitar, bass guitar, and keyboard/piano player who already know how to play their instrument but need help in putting it all together. This course covers rehearsal techniques and how to learn a variety of repertoire in a small band. This course is for any serious musician who would like an opportunity to work on their individual musicianship through developing technique and an understanding of structural elements in a small ensemble setting.

PEER TUTORING

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

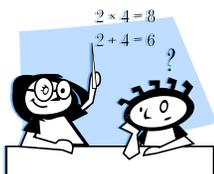
BE AWARE: The majority of course written work is to be done outside classroom hours.

PEER TUTORING 11 (B/AA)

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 (B/AA)

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.

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****

PE 10

This course will provide students with an opportunity to further develop their skills, knowledge, and attitude in a wide variety of physical activities. 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 (RECREATIONAL ACTIVITIES)

This course emphasizes the development of an appreciation for lifelong recreational activities and sports. Students will participate in a variety of units: badminton, tennis, weight training, volleyball, ultimate Frisbee, soccer and softball. 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.



PE 11 (TEAM GAMES)

This course will have an emphasis on team games and team sports. Students will participate in a variety of units: basketball, soccer, touch rugby, flag football, ultimate Frisbee, volleyball, handball, floor hockey, lacrosse, softball and minor games. These units will emphasize a higher level of skill development, team strategy and competition. Where appropriate, activity based field trips will be offered.

PE 11 WOMEN'S

This course will have an emphasis on lifelong recreational activities and team games for both active and non-active female students. The course is designed to encourage female students to participate in a wide variety of fun-filled activities. Students will participate in a variety of individual activities such as yoga, Pilates, and body improvement. Students will also engage in team sports such as volleyball, badminton, and minor games. Throughout this course students will have opportunities to explore issues relating to women in sport, recreation, health & fitness. Where appropriate, activity based field trips will be offered.

PE 11 & SOCIALS 11 (LINEAR)

This year long course will have class every other day. It is designed for those students who wish to take a class to meet the Ministry Graduation requirements of 150 minutes of mandatory Physical Activity a week. If you think you may have difficulty meeting and recording the data for this graduation requirement, linear PE and Social is advised. Students will participate in the following major units: badminton, swing, tennis, weight training, volleyball, ultimate Frisbee, soccer and softball. Other activities may include archery, table-tennis, and optional activities such as golf, bowling, tubing, laser tag, gymnastics, skating, rock climbing, curling, and swimming.

This course will be run back to back with Social Studies 11 all year long (like PE 10/ Planning).

PE 12 (MULTI-SPORT)

This co-ed course is designed to offer students the opportunity to further their expertise in the activities introduced in Physical Education 11 as well as to explore additional unique experiences. Emphasis is on



the development of recreational pursuits and lifetime skills. Trips to local facilities and First Aid certification will be included. This course would be an asset to students interested in a career in Recreation or Physical Education, as well as to students who like a variety of activities and are interested in personal fitness. ***Students who complete this course with a C+ or better receive dual credit for SPSC 1163 towards Douglas College's Bachelor of Physical Education Program.***

WEIGHT TRAINING 10 CO-ED (B/AA)

Focus: Fitness

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 main focus. Students will improve muscle function, muscular endurance, balance, coordination, speed and agility. This class will help build a strong, healthy, attractive body that will build confidence and provide opportunities for success. Students will learn how to utilize calories better, perform athletically, and reduce their risk of injury. Benefits include lean body weight, decreased body fat, and increased strength of connective tissue with increased muscular endurance.

FITNESS 11 CO-ED (B/AA)

FITNESS 12 CO-ED (B/AA)

These courses are designed for students who are motivated to significantly improve their muscular strength and/or endurance. Students 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. Training sessions will help decrease body fat and increase lean body mass. Classroom sessions will supplement the training sessions with valuable health and fitness information on such topics as nutrition for athletes, anatomy and physiology program designs and the risks of using steroids.

WEIGHT TRAINING 10 WOMEN-SEM 1 (B/AA)

FITNESS 11 WOMEN—SEMESTER 1 (B/AA)

FITNESS 12 WOMEN—SEMESTER 1 (B/AA)

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.

****MORNING PE COURSES (7:25-8:30)****

**WEIGHT TRAINING 10 CO-ED AM-SEM 1
FITNESS 11 CO-ED AM—SEMESTER 1 (B/AA)
FITNESS 12 CO-ED AM—SEMESTER 1 (B/AA)
Focus: Agility Training**

These courses are designed for athletes who wish to develop sport specific fitness and skills. 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. Special emphasis will be placed on developing an individual program for each student.

**WEIGHT TRAINING 10 CO-ED AM-SEM 2 (B/AA)
FITNESS 11 CO-ED AM—SEMESTER 2 (B/AA)
FITNESS 12 CO-ED AM—SEMESTER 2 (B/AA)**

These courses are designed for students who are motivated to significantly improve their muscular strength and/or endurance. Students should expect to be in the weight room at least three times a week. Other fitness activities will include running, hiking, plyometrics, minor games, and team games. 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 nutrition for athletes, anatomy and physiology program designs and the risks of using steroids.

WEIGHT TRAINING 10 WOMEN AM-SEM 2 (B/AA)

**FITNESS 11 WOMEN AM—SEMESTER 2 (B/AA)
FITNESS 12 WOMEN AM—SEMESTER 2 (B/AA)**

These courses cover the same learning outcomes as Fitness 11/12 Women but runs before school. Students may take this as an extra course on top of their regular 8 courses.



****PE COURSES AT FLEX/LUNCH and PM****

**WEIGHT TRAINING 10 CO-ED (B/AA)
WEIGHT TRAINING 11 CO-ED (B/AA)
WEIGHT TRAINING 12 CO-ED (B/AA)**

Focus: Weight Training

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 main focus. Specific focus will be placed on developing an individual weight training program that reflects the age, ability, and goals of each individual. Students will improve all components of personal fitness including muscle function, strength, muscular endurance, balance, coordination, speed and agility. Students will learn how to maintain a strong, health body, grow muscle safely, perform athletically, and reduce their risk of injury.

PLANNING

PLANNING 10

Planning 10 content enables students to develop the skills they need to become self-directed individuals who set goals, make thoughtful decisions, and take responsibility for pursuing their goals throughout their life. Units include; employment skills, career planning, community involvement, stress management, mental health, financial planning, physical health and road safety. Major assignments include mock job interviews and the Youth Philanthropy Initiative. Successful completion of the Planning 10 program is a graduation requirement in British Columbia.

PLANNING 10 - PLAMMA

Planning 10 content is learned through drama activities and performances. Instead of submitting written assignments, Plamma students create performances. No previous performance experience is required, instruction is provided. Students build confidence and skill throughout the year, culminating in a final performance for invited guests. Plamma students have the same content, guest speakers and grade-wide learning events (such as the mock job interview and YPI.) If you are active, artistic or learn best through discussion, Plamma is a good course for you.

SCIENCE

SCIENCE 10

The focus of Life Science in grade 10 is ecology. In the Physical Sciences, the study of chemicals and their reactions continues, with the addition of motion and radioactivity. Finally, in Earth and Space Sciences, earth-forming and modifying forces are studied, as well as weather. ***This course has a mandatory Provincial exam which counts for 20% of the final mark.***

BIOLOGY 11

Biology 11 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 a very 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.



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

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.

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.

SCIENCE AND TECHNOLOGY 11

This course concentrates on past, present and future applications of science in our society. The two core areas of the course include the nature and interaction of Science and Technology as well as computers and Information Technology. The themes of these two areas are reinforced by optional modules such as Resource Management and Environmental Planning, Medicine, Health and Technology, Criminal Investigation Technology, and Construction and Transportation Technology. This course will focus on science and technology in British Columbia, and will involve mostly small group interactions and class projects.

Note: This course fulfills the Science 11 requirement for graduation but not for college or 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. As well, students should have an interest in outdoor recreation (camping, hiking, snowshoeing, kayaking, 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** at the same time. 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. Students need a minimum letter grade of C+ in Science 10 and to have demonstrated good work habits in order to apply. Acceptance

into this program will be based on teacher approval and an interview with the student. It is strongly recommended that students take an academic grade 11 course in the 2nd semester of their grade 10 year where possible.

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: Biology 11 & Chemistry 11 taken prior to Bio 12 (not concurrent)

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)

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 12

Students interested in understanding the physical world, taking post-secondary science courses, or careers in engineering should consider



Newton

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

SOCIAL STUDIES

SOCIAL STUDIES 10

Social Studies 10 continues themes developed in grade 9, but focuses entirely on the development of Canada as a nation. The course studies the growth and development of British North America from the War of 1812 through Confederation and into the early twentieth century prior to World War I. Topics include Responsible Government, achieving nationhood, and the development of the West, including the building of the Canadian Pacific Railway and Louis Riel. Other topics include Canada's and British Columbia's economic relationships to the United States and the geographic regions of Canada.



SOCIAL STUDIES 10- CULTURAL EXCHANGE (network/laptop-based course)

Social Studies Cultural Exchange 10 is an enhanced course. Students work with the Social Studies 10 curriculum, integrating various technologies and interacting with people of foreign cultures. Ideally, students will take the opportunity to participate in a future exchange to a foreign country

Note: Use of a laptop computer is required. If students do not have access to a laptop, the school may be able to arrange one.

CIVIC STUDIES 11

Civics Studies 11 will encourage and enable students to participate actively and responsibly in civic life, from the local to global level. The course generally appeals to students who enjoy active classroom participation. Civics 11 will focus on government, citizenship, rights and freedoms; their histories; and civic action. Students will have opportunities to voice their opinions and participate in simulations. Upon completion, students should view themselves as more informed and capable citizens better equipped to make a difference in our community, nation, and world. **This course has a mandatory Provincial exam worth 20% of the final mark.**

Note: Civics Studies 11 fulfills the Socials Studies 11 Graduation Program requirement.

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 arrange one.



SOCIAL STUDIES 11

Social Studies 11 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 global warming are also studied. **This course has a mandatory Provincial exam worth 20% of the final mark.**



SOCIAL STUDIES 11-CULTURAL EXCHANGE (network/laptop-based course)

Social Studies Cultural Exchange 11 is an enhanced course. Students work with the Social Studies 11 curriculum, integrating various technologies and interacting with people of foreign cultures. Ideally, students will take the opportunity to participate in a future exchange to a foreign country

Note: Use of a laptop computer is required. If students do not have access to a laptop, the school may be able to arrange one.

SOCIAL STUDIES 11 & PE 11 (LINEAR)

This course will be run back to back with PE 11 all year long (like PE 10/Planning). This year long course will have class every other day following the guidelines for the Social Studies 11 curriculum. It is designed for those students who wish to take a class to meet the ministry graduation requirements of 150 minutes of mandatory Physical Activity a week



COMPARATIVE CIVILIZATIONS 12

Comparative Civilizations 12 gives students an understanding of the values, beliefs, and accomplishments of past civilizations. We will examine the political, social, and economic structures of world cultures and civilizations. This is a liberal arts, project-based 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 Egyptian, Indian, Muslim, Chinese, and Greek civilizations, the Roman Empire, Feudal Japan, Maya, Aztec and Inca civilizations and the Byzantine Empire.



Note: Access to a laptop computer is highly recommended.

Recommendation: C+ or better in Socials 11 or Civics 11

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.



Note: This course meets the Social Studies 11 credit for graduation.

GEOGRAPHY 12

Geography can be simply defined as the study of our earth. This course examines both physical and human geography. Aspects of physical geography studied include topics such as plate tectonics (earthquakes), volcanism (volcanoes), geology, climatology, meteorology (weather), glaciation and hydrology. The human geography section focuses on topics such as cartography (map skills), the human use of the Earth – resources and technology, population, and environmental issues.

Recommendation: C+ or better in Social Studies 11 or Civics 11

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 post-World War I to contemporary time.

This is a challenging, interesting and important course with an emphasis on critical thinking, communication skills and citizenship.

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 arrange one.

Recommendation: B or better in SS 11 or Civics 11 is strongly recommended

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 11/Civics 11. 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.

Recommendation: C+ or better in Social Studies 11 or Civics 11



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.

Recommendation: C+ or better in Social Studies 11 or Civics 11

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.



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

CARPENTRY & JOINERY 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.

CREATIVE WOOD DESIGN 11 (B/AA)

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.

CARPENTRY & JOINERY 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 more design themes and working with standard production methods. Students will also work on projects in groups under the direction of the instructor.

Recommendation: Carpentry & Joinery 11

CARPENTRY & JOINERY 12

Focus: Furniture Construction

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: Carpentry & Joinery 11

CARPENTRY & JOINERY 12

Focus: Woodcraft Products

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: Carpentry & Joinery 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, Consumer Electronics, Automobiles and Ping-Pong Ball Launchers. This course will focus on design drawing and prototyping. Note that a large proportion of this course is conducted in the classroom, not the shop.

ADVANCED DESIGN 12

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

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.

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.

IDS TECHNOLOGY, DESIGN & ENGINEERING

This is a course of deep, hands-on learning on how to be creative and apply research-based creativity to approach and solve everyday

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.

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.



EAL DRAMA 10 (FA)

EAL ACTING 11 (FA)

EAL ACTING 12 (FA)

Does public speaking make you nervous? Are you the class clown waiting for your chance to perform? If the answer is yes to either of these questions, this class is for you. In a fun, supportive environment, you will gain the physical and vocal skills to feel confident talking, presenting and performing in front of others. Course content includes games, role play, improv and script work. This is an introductory class, no experience required.



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.



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.

THEATRE 12: THEATRE MANAGEMENT

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

business world but are undecided if you want to go into banking, marketing or accounting? Then the Intensive Work Experience Program (iWEP) is for you!

In the second Semester of grade 12, students in the iWEP program will take Work Experience 12A and Work Experience 12B. As well, they will choose to take either 2 blocks of IDS (Independent Directed Studies) or SSA (Secondary School Apprentices) courses.

Students accepted into iWEP must be able to complete all requirements for graduation in the first semester of grade 12. After the 30 hours of class time is completed, students will work or volunteer with employers in their field of interest. Students will be required to complete a total of 450

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: Apprenticeship and ACE-IT



APPRENTICESHIP AND ACE-IT

High school is a great place to start planning your career in skilled trades. Once you have decided to pursue industry training, you have a choice in registering in one or both of the programs listed below. Both are great ways to earn money, learn valuable skills, get high school credits and become eligible for a scholarship. ACE-IT students receive the added benefit of completing their first year of industry training while still attending high school, all for FREE.

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.

ACE-IT

ACE-IT is an industry training program for high school students, which provides high school graduation credits and a head start towards completion of an apprenticeship program. ACE-IT programs are developed as partnerships between the school district and post-secondary institutions, and classes are often taught at colleges.

See the table on p.43-44 for the variety of ACE-IT programs available. Interested students should contact their counsellor as soon as possible. ACE-IT is an amazing opportunity to get a head start on a career.



DISTRICT SECONDARY SCHOOLS Programs of Choice, Advanced Placement (AP) & Other Specialty Courses 2015-2016

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. Français 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

(IDS) Courses

AP Approved Courses

Independent Directed Studies

AP English Language 12
AP English Literature 12
AP Biology 12
AP Chemistry 12
AP Physics 12

Math
Science
Japanese

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 Physics 12**;

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

Independent Directed Studies (IDS)

Honours Courses:

English • English 9, 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.

Social Studies 9, 10 & 11 – Cultural Exchange • network/laptop based courses. This version of Social Studies is for students who wish to broaden their perspectives and one day hope to travel. In addition to the Prescribed Learning Outcomes, students in this course will use various technologies to communicate and work with students overseas.

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

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

Coquitlam Open Learning (COL) - [COL Course List](#)

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.

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.

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) **DELF 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

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 ACE-IT Apprenticeship

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 ACE-IT Apprenticeship

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 ACE-IT Apprenticeship

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 ACE-IT Apprenticeship

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 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](#) 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 ACE-IT Apprenticeship

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 surging, 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

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, Heritage Woods

- 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 ACE-IT Apprenticeship

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 students 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.

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

Grade 10 Academic		Grade 11 Academic		Grade 12 Academic		Unique Electives	
English 10	Online	Biology 11	Online	Biology 12	Online	3D Game Design 12	Online
Math 10 Foundations & Pre-Calc.	Online	Business Computer App 11	CLOC	Calculus 12	CLOC	Accounting 11, 12	CLOC
Math 10	Online	Chemistry 11	Online	Chemistry 12	Online	Data Management 12	CLOC
Apprenticeship	Online	Chemistry 11	Blended	Chemistry 12	Blended	Family Studies 12	CLOC
French 10	Online	Communications 11	CLOC	Communications 12	CLOC	Marketing 12	CLOC
Planning 10	Online	English 11	Online	Comparative Civilizations 12	CLOC	Media Arts 12	Online
Planification 10	Online	French 11	Online	English 12	Online	Secondary School	Online
Physical Education 10	Online	Intro Japanese 11	Online	English 12 Upgrade	Blended	Apprenticeship	Online
Science 10	Online	Intro Mandarin 11	Online	French 12	Online	Work Experience 12	
Social Studies 10		Intro Spanish 11	Online	Geography 12	CLOC		
		Japanese 11	Online	History 12	CLOC		
		Mandarin 11	Online	Japanese 12	Online		
		Math 11 Apprenticeship	Online	Law 12	CLOC		
		Math 11 Foundations	Online	Mandarin 12	Online		
		Math 11 Pre-Calculus	Online	Math 12 Foundations	CLOC		
		Physics 11	CLOC	Math 12 Pre-Calculus	Online		
		Science and Tech 11	CLOC	Math 12 Pre-Calc	Blended		
		Social Studies 11	Online	Upgrade	CLOC		
		Spanish 11	Online	Physics 12	Online		
				Spanish 12	Online		
				Writing 12	Blended		

<p><i>Three types of learning environments:</i></p> <p>Online (Continuous Entry): flexible pacing, communication is predominantly via online tools</p> <p>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</p> <p>CLOC (Adult Learning Center): continuous entry, includes both paper-based and online courses, learning support hours, only for students 17+ or with permission</p>	<p><i>COL is pleased to offer a range of learning supports including:</i></p> <ul style="list-style-type: none"> • 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 • Technical support from a certified Information Technologist • Extra testing and online support at Gleneagle Secondary, Tuesdays from 6:30 to 8:30pm
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