Heritage Woods Secondary

Course Request Booklet
2026-2027

Heritage Woods Secondary School
Home of the Kodiaks

At Heritage Woods, we strive to create the challenges andsupports necessary to ensure success for every student.

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

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

Website: www.heritagewoods.sd43.bc.ca

TABLE OF CONTENTS

	Page		Page
Educational Planning	**4**	Film & Multimedia	**25**
Honours Courses	**5**	Home Economics	**27**
External Credits	**5**	Information Technology	**27**
Counselling Services	**6**	Languages	**29**
Learning Resource Centre	**6**	Leadership & Peer Tutoring	**31,32**
Grade 9 Program	**7**	Math	**32**
Grade 9 Course Descriptions	**7-14**	Music	**35**
Graduation Program 10-12	**15**	Physical Education	**38**
Career & Life Education	**16**	Science	**40**
Career-Life Connections	**16**	Social Studies	**42**
Career Resource Centre	**176**	Technology Education	**44**
Post-Secondary Planning	**17**	Theatre	**46**
Grade 10-12 Course Descriptions	**17-46**	Work Experience	**47**
Art	**17**	Youth Train in Trades	**49**
Business Education	**19**	Coquitlam Open Learning	**53**
Dance	**20**		
English	**21**		
English Language Learners	**22**		
ELL course progression chart	**24**		

SCHOOL DISTRICT NO. 43 (COQUITLAM)

Ms. Nadine Tambellini, Superintendent of Schools

BOARD OF SCHOOL TRUSTEES

Michael Thomas (Chair)- Port Coquitlam, Rosie Manhas (Vice Chair)- Coquitlam
Carol Brodie- Coquitlam, Chuck Denison- Coquitlam, Craig Woods- Coquitlam,
Kerri Palmer Isaak -Anmore/Belcarra, Lisa Park -Port Moody,
Christine Pollock -Port Coquitlam, Zoe Royer- Port Moody

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 to help prepare you for 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 <u>choose thoughtfully</u> 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 goals.

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!

Ms. C. Woods, Principal
Mr. J. Dardano, Vice Principal
Mr. J. Hyde, Vice Principal
Ms. R. Mazzucco, 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.**
- **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			
Grade 9	**Grade 10**	**Grade 11**	**Grade 12**
Students in Grade 9 are required to take a minimum of 9 courses. Please see the Course Planning Sheet for more information. The general courses grade 9s require are as follows: English 9, Mathematics 9, Social Studies 9, Science 9, PHE 9, Three (3) electives, COL Digital Learning 10	Students in Grade 10 are required to take a minimum of 8 courses. Please see the Course Planning Sheet for more information. The general courses grade 10s require are as follows: Language Arts 10, Any Mathematics 10, Social Studies 10, Science 10, Career Life Ed 10, PHE 10, Two (2) electives,	Students in Grade 11 are required to take a minimum of 8 courses. Please see the Course Planning Sheet for information. The general courses grade 11s require are as follows: A Language Arts 11, any Mathematics 11, any Science 11, a Socials 11 or 12, and four (4) electives, *Although "Career-Life Connections" is not on their timetable, Grade 11 students are encouraged to start working on the assignments. They will be assigned to a CLC 11 teacher in Semester 2.	Students in Grade 12 are required to take a minimum of 8 courses. A reminder to students that in order to meet Graduation requirements, the 80 credits must include completion of the following: English Studies 12 3 other Grade 12 courses, A Social Studies 12 course (if you have not taken one in Grade 11) Career-Life Connections,

****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 enroll 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.
- Precalculus 11 Honours.
- Calculus 12 AP – prerequisite is Precalculus 12.
- Psychology 12 AP- teacher recommendation.

Note: Honours designation will not appear on transcripts; AP (Advanced Placement) offers advance credit in certain first year university courses in select universities across North America. AP exams are written in May and the results of these exams determine first year credit at university or college. AP Exam scores do not show on the transcript.

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 Post-Secondary & Career Advisor and a school youth worker. A student will have the same counsellor for all four years they are here at Heritage Woods. Students are assigned to a counsellor according to their legal last name.

A to G	Ms. Karen Watt	kwatt@sd43.bc.ca
H to N	Ms. Alina Birsan	abirsan@sd43.bc.ca
O to Z	Mr. Giovanni Zenone	gzenone@sd43.bc.ca

The Post-Secondary & Career Advisor 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.

Post-Secondary & Career Advisor	Ms. Darilyn Butler	dbutler@sd43.bc.ca
Youth Worker	Mr. Abhinesh Naidu	anaidu@sd43.bc.ca

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 counsellorsand 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

The Learning Center (aka Resource).
This is a non-credit support time that can be taken with teacher or counsellor recommendation.
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 on Learning Theories, Habits of Successful People and coursework in Self-Efficacy. Our goal is to help students develop advocacy for their learning and to help them gain confidence. We work with students to help them develop an understanding of their learning styles and work toward them being able to show their best selves. Case Managers will liaise with teachers and students to support and develop Universal Supports for success. Students will be given time each day to receive clarification and extra help in their current coursework.

Counsellors and teachers may strongly recommend this course for students showing consistent difficulties in course work. We suggest students register for and request 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 a minimum of nine courses over the year and are enrolled in four classes every day.

Note: Students may also take ADDITIONAL COURSES from the Music, Theatre, Physical Education and ELL departments, which meet outside a student's primary timetable. See course descriptions under the appropriate department for more information.

1. **Required Courses**:

English 9	Science 9
Math 9 or Math 9 Accelerated	PHE 9
Social Studies 9	COL Digital Learning 10

2. **Three electives**

TOTAL: 9 courses

COURSE DESCRIPTIONS GRADE 9

ART

ART EDUCATION 9 (MAE—09)

A survey course of 2D and 3D art. Students will develop basic skills in drawing, painting, collage, print-making and ceramics. Students learn to work with different dry and wet mediums in this course. This course is intended for students interested in exploring 2D and 3D visual communications and artistic explorations and developing a portfolio of artwork. Students develop competencies in communication, creative thinking, critical thinking, positive personal and cultural identity, personal awareness, personal responsibility, and social responsibility. Coursework around first nations art and principles of learning are explored in this course. Note: All students are expected to develop and follow safe, studio practices.

PHOTOGRAPHY 9 (FA) (MVA—09J)

A visual arts course combining the power of photography with the control of digital editing. This course gives students the opportunity to learn Adobe Photoshop to create high quality images using professional DSLR cameras. In addition to learning digital editing, students are introduced to camera functions such as aperture, shutter speed, focus, exposure, and depth of field. Photography 9 will teach 'Composition Techniques' and the 'Elements and Principles of Design' used to create art through photography. This is an assignment-based course.

BUSINESS EDUCATION

ADST-ENTREPENEURSHIP AND MARKETING (MADEM09)

Ever dreamed of running your own business, calling the shots, and enjoying the fruits of your labor? Welcome to Marketing and Entrepreneurship 9! Immerse yourself in fundamental business concepts like marketing, entrepreneurship, economics, finance, and investing through exciting individual and group projects in this computer-based class. Wrap up the course with a unique opportunity – a hands-on project where students explore the business world and interact with simulated investors. It's the perfect chance to dip your toes into the entrepreneurial realm and discover where your business spirit can take you.

COL DIGITAL LEARNING 10

In this course, students will develop and display various digital literacy skills and gain an understanding of digital citizenship, research and information literacy, and how to establish an online portfolio.

This course will give students an opportunity to explore and expand upon the Office 365 platform, district approved digital applications and tools that will enhance their learning opportunities as they progress into Grades 10-12, post-secondary and beyond. There is also an emphasis on digital citizenship, digital wellness and on-line safety and privacy.

DL10 is a year-long, blended learning (both online and face-to-face) course offered through Coquitlam Open Learning (COL) that all SD43 grade 9 students are enrolled in. This class runs outside of the regular timetable, which means that there will be scheduled FLEX tutorial class times throughout the year and teachers will provide online access to resources, assignments, and tasks. This is a credited grade 10 level course and students receive a final percentage for this course.

Students are strongly encouraged to bring their own laptop devices for this course.

DANCE

DANCE 9 (MDNC-09)
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 LANGUAGE ARTS

ENGLISH LANGUAGE ARTS 9 (MEN—09)
This course will continue the study of a variety of literary genres which may include poetry, novel, short story, non-fiction, and drama. Students will individually and collaboratively explore personal, social, and cultural contexts, values, and perspectives, including those of First Peoples, within the texts studied, helping to understand themselves and making connections to others and to the world. There will be an emphasis placed on analysis and responding to text in personal, creative, and critical ways.

ENGLISH as an ADDITIONAL LANGUAGE ELL (formerly ESL)

ELL courses are assigned to students after an interview with the EAL department. Please refer to pages 22-24 for the description of courses.

FILM & MULTIMEDIA

MEDIA ARTS: FILM & DIGITAL MEDIA 9 (MADMA09)
Students interested in exploring a range of digital art areas will enjoy this course. Fundamental skills in creative software and production techniques will be explored in the areas of graphic design, video and film making, editing, animation, motion graphics, digital illustration, visual effects, and more! With so much variety, there is something for everyone. No prior art skills required. This course is a good foundation for grade 9 students wishing to take courses such as Digital Media, Animation, Game Design, and Film later on in high school.

HOME ECONOMICS

FOODS STUDIES 9 (MADFS09)
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 quick breads, 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 (MADT-09)
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 serge 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 & COMMUNICATIONS TECHNOLOGY 9 (MADIT09)
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. Topics explored include basic graphic design, computer and network security, the Python programming language, sound and video editing, and basic to advanced Office365 applications.

LANGUAGES

FRENCH 9 (MFR—09)
This course offers a fun, group-based learning environment where we focus on communicating in everyday French. Students will acquire French language skills through games, collaborative projects, conversations, storytelling and classroom technology. They will explore and celebrate Francophone culture through culinary adventures (yes, food!), pop music, poetry, and film. By the end of the course, students will be able to have simple conversations in French about everyday topics like shopping, food, family, and planning a party.

Prior experience in French is not needed.

JAPANESE 9 (MJA—09)
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.

SPANISH 9 (MSP—09)
In this first level students who have no background in Spanish language will acquire the foundations of Spanish through engaging activities and be prepared for higher levels of study.
STUDENTS WILL:

- listen to understand fun and engaging stories, and talk about *real* things
- Listen to music – from children's songs to the latest Latin pop hits
- read in Spanish – engaging stories created together and acted out in class
- learn about culture via music, shows and videos designed to be engaging & comprehensible
- speak to show understanding – first single Spanish words, then phrases, all the way to original story writing in simple Spanish
- talk about how they are *really* doing
- communicate spontaneously and authentically

STUDENTS WILL NOT:

- Use English to talk about Spanish
- Memorize endless word lists and verb conjugations
- Memorize canned dialogues ("I travelled to _____ but they didn't know their lines!")
- Learn on their own at home – class participation is where the magic happens
- Tell people: "I studied Spanish for __ years but I don't remember any of it!"

LEADERSHIP

JUNIOR LEADERSHIP 9 (INTRODUCTION TO LEADERSHIP) (XLEAD09)

This course is tailored for Grade 9 students who are just beginning their leadership journey. It focuses on foundational leadership concepts such as self-awareness, teamwork, and effective communication. Junior Leadership introduces students to different leadership styles and encourages them to discover their own strengths and potential.

Through participation in class-based initiatives and activities, students will gain practical experience in utilizing a variety of leadership skills and will explore what it means to be a leader through engaging discussions, hands-on activities, and collaborative projects. Emphasis is placed on building confidence, fostering a positive attitude, and learning how to set and achieve goals. This introductory course is a supportive environment where students can have opportunities to develop essential skills to become active and positive contributors to their school and community.

MATHEMATICS

MATHEMATICS 9 (MMA—09)
Math 9 focuses on fundamental math skills required for success in high school math courses. It starts by solidifying and extending topics introduced in middle school (order of operations on integers and fractions) and then introduces the concepts of exponents, polynomials, algebra, graphing linear equations and inequalities. Students will also explore finance, probability, and scale factor.

MATH 9/10 ACCELERATED PROGRAM (MFMP-10H)

Students who complete this course will gain credit for both Math 9 and Foundations of Mathematics and Pre-Calculus 10. This course is designed for students who have a strong aptitude for mathematics and a strong work ethic. Students can expect a challenging and enriching experience which requires consistent commitment to the rigor and pace of the course. Students in this course are strongly encouraged to participate in math contests.

Pre-requisite: Students must apply and complete an entrance assessment before being invited to participate in this course. Applications will be available through students' middle school and the assessment will be written at Heritage Woods during the Grade 8 tour.

MUSIC

Heritage Woods offers a comprehensive music department that will run between Period 1 through Period 6. Classes are enrolment dependent. Classes that run in Period 1, will begin at 7:45am.
Note: all music classes are a credit course (for marks).

Music Classes will be performance-oriented, but will include learning outcomes related to music theory, music history, appreciation and cultural awareness. Students will be expected to attend all scheduled extra-curricular and scheduled rehearsals, and a variety of performances both in school and in the community. 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 take part in additional learning opportunities such as music festivals, workshops, etc.

INSTRUMENTAL MUSIC PROGRAM

Instrumental courses are intended for all students who play instruments appropriate to concert band, jazz band, string orchestra and guitar. The provision of instruments is the students'/families' responsibility; with the exception of some very large and expensive instruments (ex. Tuba). Contact the music teacher for more details.

CONCERT BAND 9 (Linear) (MMU—09)

This course is intended for students who have taken an introductory Band course in Grade 6, 7 and/or 8. The course will involve instrumental technique, performance, theory, music history, and music appreciation. Beginner students (learning a new instrument) may sign-up with teacher permission.

JAZZ BAND 9 (Linear) (XLDCH09—JZB)

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

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

Note: Students registered in Jazz Band 9 must also be registered (or at teacher's discretion) in a large ensemble (Concert Band, Concert Choir or String Orchestra) appropriate to their grade level.

STRING ORCHESTRA 9 (Linear) (XLDCH09—SOR)

String Orchestra 9 is intended for all students who already play a string instrument. 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.

Students must have previous experience on violin, viola, cello and/or double bass.
Note: this course is not intended for beginning string players. If you wish to learn a string instrument, sign up for concert band 9.

GUITAR 9 (Semester) (XLDCH09-GUB)
This course is for all levels of guitar experience – from beginner to advanced guitar students. This course teaches beginner players basic chords, strumming, picking and how to read music and tab. Students will learn many songs in order to apply their learning. The intermediate and advanced students will learn barre chords and more advanced music and accompaniment styles. All levels will participate in small group/combo playing along with learning various styles of repertoire. The school will supply guitars and music for classroom use.

CHORAL MUSIC PROGRAM

CONCERT CHOIR 9 (Linear) (XC—09)
Choir 9 is an opportunity for students to learn how to sing in a vocal ensemble. This course will cover singing technique, music reading, ensemble singing (learning to sing harmony parts) and how to sing when performing. Previous experience singing is an asset but not a prerequisite. Performance opportunities are a course requirement.

VOCAL JAZZ 9 (Linear) (XC—09VJ)
This course is for advanced singers who want the challenge of advanced vocal ensemble singing and should have some prior ensemble singing experience. Performance opportunities are a course requirement. **Students will be expected to sing "one on a part" and to perform solo in their audition for this course.**
Note: All students registered for Vocal Jazz 9 **must also be registered** in a large ensemble (Concert Band 9, Strings 9 or Concert Choir 9)

PHYSICAL EDUCATION

PHYSICAL AND HEALTH EDUCATION 9 (PHE 9) (MPHE-09)
Physical and Health Education (PHE) is part of the K-9 curriculum. PHE is designed to develop educated citizens who have the knowledge, skill, and understanding they need to be safe, active, and healthy citizens throughout their lives. PHE curriculum focuses on competencies that support lifelong learning, physical fitness, and healthy relationships to support lifelong activity and health.

ELECTIVE PHYSICAL EDUCATION COURSES:

AGILITY 9 (Semester 1) (XLDCG09)
These co-ed courses are designed for athletes who wish to develop sport specific fitness and skills. Students will focus on a variety of activities such as plyometrics, interval training, running, and weight training as they relate to their chosen sport. 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. Course typically runs during block 1**.**

BASKETBALL AGILITY 9 (Semester 1) (XLDCG09---AGL)
These co-ed courses are designed for athletes who wish to develop sport specific fitness and skills. Students will focus on a variety of activities such as plyometrics, interval training, running, and weight training as they relate to the game of Basketball. 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 with an emphasis on Basketball and developing your overall game. Students are typically organized by team cohorts, but there is also an opportunity for non-team players to participate. Time is split between the gym and fitness areas. Course Typically runs during block 1.

ATHLETIC TRAINING 9: CO-ED (XLDCG09-AT)
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 their chosen sport. Specific physical components of the course will include an emphasis on speed, agility and quickness.

BASKETBALL ATHLETIC TRAINING 9: CO-ED (XLDCG09-AT)
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 their chosen sport. Specific physical components of the course will include an emphasis on speed, agility and quickness with an emphasis on Basketball and developing your overall game.

FITNESS 9 CO-ED (XLDCG09-FTC)
This course is an introduction to fitness that focuses on training concepts and full body conditioning. Students will be introduced to a variety of training programs and techniques with a focus on weight training in the weight room. Students will learn about different styles and goals of fitness training and learn program design for lifelong health and fitness. Topics include principles of fitness, goal setting, nutrition, muscular and skeletal systems, weight room safety, and other fitness and health related topics.

FITNESS 9 WOMEN (XLDCG09-FTW)
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.

SCIENCE

SCIENCE 9 (MSC—09)
Science 9 is a survey course that uses a concept-based approach to learning and focuses on the development of scientific competencies. Students will explore concepts in Life Sciences (cells and cellular reproduction - including mitosis and meiosis), Chemistry (element properties and structure – including their place in organization of the Periodic Table), Physics (electricity and circuits - including voltage, current and resistance), and Earth Sciences (Earth's spheres - including the cycling of matter and energy).

SOCIALS

SOCIAL STUDIES 9 (MSS—09)
This course continues to develop Social Studies inquiry processes, skills, and curricular competencies started in previous grades. Topics of study include political, social, economic, and technological revolutions, the continuing effect of colonialism on Indigenous peoples in Canada, global conflicts, discriminatory policies and historical wrongs, nationalism, immigration, and physiographic features of Canada.

TECHNOLOGY EDUCATION

COMPETITIVE ROBOTICS 9 - ELECTRONICS AND ROBOTICS 9 (MADER09)
This is a fast-paced, project-based course where students work in teams to build robots for the VEX Robotics Competition. It's an excellent opportunity to develop engineering, programming, problem-solving, and communication skills in a supportive environment, while also experiencing the excitement of a high-pressure, competitive atmosphere. Students are expected to commit at least 3 hours per week after school to work on their robots and attend 1-2 Saturday tournaments. Experience with Lego, Makebots, Vex IQ, programming or other engineering systems is preferred but not required.
Course Fee: $250
****Application Required**: Students must complete an application process to be accepted into the course.**

ENGINEERING & ROBOTICS 9 - GENERAL EXPLORATIONS 9 (MADGE09)
This dynamic, hands-on course is designed for students eager to explore the exciting worlds of STEM or the trades. Through engaging, project-based learning, students will develop a wide range of valuable skills—both practical and digital—that are essential in fields like robotics, engineering, and various trades. Students will work with tools and technology to tackle design challenges such as bridge building or metal casting. Whether you're considering joining the competitive robotics team or pursuing a career in metalworking, this course will give you the skills and confidence to succeed.

WOOD DESIGN AND MANUFACTURING 9 (MADW-09)
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

MUSICAL THEATRE 9 (BAA) (XLDCB09-MT)
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 3:30-5 pm and performance evenings.

THEATRE TECHNOLOGY 9 (XAT—09L2)
This course is an introduction to developing skills in backstage theatre, including set design and construction, theatre background,colour, scene painting, properties, lighting, and management. **Note:** This course runs outside the timetable.

DRAMA 9 (MDR—09)
Students learn acting theory and skills. There is no public performance required for this class. Possible units include improv, stage combat, character, movement, scene study, relaxation, concentration, on-camera acting, communication, story and audition skills. This is an excellent introductory course and supplements Musical Theatre as well as preparing students if they would like to try Theatre Company in grade 10.

GRADUATION PROGRAM

Grade 10-12 (80 Credits)

1. **Required courses**

Language Arts 10, 11 and English Studies12	12 Credits
Social Studies 10	4 Credits
Social Studies 11 or 12 *(Political Studies 12, Human Geography 12, Comparative Cultures 12, BC First Peoples 12, Physical Geography 12, 20th Century World History 12, Law Studies 12, Social Justice 12 or Philosophy 12)*	4 Credits
Science 10	4 Credits
Science 11 or 12 *(Chemistry, Physics, Life Sciences, Anatomy & Physiology, Earth Science, Science for Citizens, Environmental Science, Geology)*	4 Credits
Mathematics 10 *(Workplace or Foundations & Pre-Calculus)*	4 Credits
Mathematics 11 or 12 *(Workplace/Apprenticeship or Foundations or Pre-Calculus)*	4 Credits
PHE 10	4 Credits
Career-Life Education 10* (CLE: see note below)	4 Credits
Fine Arts or Applied Skills 10, 11 or 12 courses (see choices)	4 Credits

2. **Career-Life Connections 12** — 4 Credits

3. **Electives** (taken at the grades 10, 11 and 12 level) — 28 Credits
   (this includes COL Digital Learning 10 taken by all grade 9's)

TOTAL **80 Credits**

*Career Life Education 10 (CLE): 4 Credits

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

A minimum of 16 credits must be taken at the grade 12 level. This includes 4 credits for English Studies 12. Please note that Career Life Education must be completed for Graduation, but does not count towards the 16 credits of grade 12 level courses.

Graduation Program Ministry Assessments

Students are required to write mandatory Numeracy and Literacy Assessments as part of the new grad program. These assessments will be written in Jan and June. Dates and times of these assessments can be found on the Ministry website: www.bced.gov.bc.ca/exams/

Career-Life Connections

Career Life Connections (CLC) will enable students to develop life skills and a glance into their future. Building off CLE 10, students will explore post-secondary options in relation to education and personal life work balance, careers, and health. A critical part of this course is investigating, planning, and presenting a Capstone. It is a requirement for Career Life Connections and for graduation. The purpose of the Capstone is for students to explore an area of interest to gain a deep understanding of its relevance to them and the world. It is a representation of the student's learning journey and provides an opportunity to reflect and synthesize as well as showcase and celebrate.

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 Post-Secondary & Career Advisor can be reached at 127-CareerFacilitator@sd43.bc.ca.

Our Career Centre has 5 computers available to assist you with your research!

- **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 whodo not meet requirements at their desired institution.

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

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

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

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

COURSE DESCRIPTIONS GRADES 10 - 12

ART

ART STUDIO 11 (INTRODUCTORY ART STUDIO) (MVAST11)
Suitable for students in grade 10, 11, 12 who have not taken Art 9
An intermediate course of 2D and 3D art for students who have not taken Art 9. Students develop basic skills in drawing, painting, collage, print-making and ceramics. The focus for this course is satisfying the requirements for graduation. Students develop art concepts and design principles while developing their personal styles and an art portfolio. Students develop competencies in communication, creative thinking, critical thinking, positive personal and cultural identity, personal awareness, personal responsibility, and social responsibility. Coursework around first nations art and principles of learning are explored in this course. Note: All students are expected to develop and follow safe, studio practices.

STUDIO ARTS 2D 11 (MVAD-11)
This course is designed for intermediate art students who wish to further develop their skills in drawing, painting, collage, print-making and multimedia. Students develop competencies in communication, creative thinking, critical thinking, positive personal and cultural identity, personal awareness, personal responsibility, and social responsibility. Coursework around first nations art and principles of learning are explored in this course. All students are expected to attend and complete the various art practices; students will then develop an independent portfolio of artwork in this course. Students ought to have taken at least an Art Studio or Ceramics and Sculpture course at any level before taking this class. Note: All students are expected to develop and follow safe, studio practices.

STUDIO ARTS 2D 12 (MVAD-12)

This course offers a variety of art experiences in drawing, painting, collage, print-making, multimedia and personal inquiry projects. Students will improve their image development skills and understand how to communicate visually. Students develop competencies in communication, creative thinking, critical thinking, positive personal and cultural identity, personal awareness, personal responsibility, and social responsibility. Coursework around first nations art and principles of learning are explored in this course. Students will continue to develop their portfolios of artwork in this course from previous courses. Students are encouraged to develop their portfolios for art school applications. Students ought to have taken at least one Studio Arts 11 or Ceramics & Sculpture 11 class or recommendation from the art teacher to take this course. Note: All students are expected to develop and follow safe, studio practices.

STUDIO ARTS 10 3D: CERAMICS and SCULPTURE (MVAC-10)

This course is suitable for any grade 10, 11 or 12's who have not taken Art Education 9.

Studio Arts 3D: This introductory course explores 3-D art. The focus is on clay hand building techniques (coil-building, pinching and slab-building). Goal is to be proficient in the basic hand-building skills by the end of the course. Finishing techniques such as glazing, under-glazing, slip trailing and staining may be explored. Opportunities to work in other sculptural mediums such as paper and wire are also part of this course. This course is intended for students interested in exploring 3D visual arts as means of communications and artistic explorations and developing an art portfolio. Students develop competencies in communication, creative thinking, critical thinking, positive personal and cultural identity, personal awareness, personal responsibility, and social responsibility. Coursework around first nations art and principles of learning are explored in this course. Note: the focus of this course is on non-functional art. All students are expected to develop and follow safe, studio practices.

STUDIO ARTS 11 3D Ceramics and Sculpture Intermediate to Advanced (MVAC-11)

This is an intermediate art course where students work with clay using a variety of ceramic techniques, such as pinching, coiling, and slab building. Emphasis is on art-concept development. Opportunities to work in other sculptural media, such as paper, fabric and plaster may also be included. Students develop competencies in communication, creative thinking, critical thinking, positive personal and cultural identity, personal awareness, personal responsibility, and social responsibility. Coursework around first nations art and principles of learning are explored in this course. Students will develop a portfolio of artwork in this course. Students who have taken at least an art course with some experiences with 3D are encouraged to take this course. Note: the focus of this course is on non-functional art. All students are expected to develop and follow safe, studio practices.

STUDIO ARTS 12 3D Ceramics and Sculpture Advanced (MVAC-12)

Students continue to extend the skills developed in Studio Arts 11 3D 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. Students continue to develop a portfolio of artwork in this course. Students develop competencies in communication, creative thinking, critical thinking, positive personal and cultural identity, personal awareness, personal responsibility, and social responsibility. Students who have taken grade 11 ceramics course or recommendations from the teacher are encouraged to take this course. Coursework around first nations art and principles of learning are explored in this course. Note: the focus of this course is on non-functional art. All students are expected to develop and follow safe, studio practices.

PHOTOGRAPHY 11 (FA) (MVAPH11)

Photography 9 is not a pre-requisite - this course is open to all students Grades 10-12. You will learn full creative control of when and how to change aperture and shutter speeds to get different photographic effects in manual mode. Explore the art of portrait making using professional studio lighting. Learn how to do extreme close ups with macro photography. Play with long shutter speeds and learn how to paint with light. This course offers weekly themes where students will be exposed to many different types of photography and master photographers as well as Adobe Photoshop and Adobe Lightroom Workshops. **Photography 11 is a pre-requisite for Photography 12.**

PHOTOGRAPHY 12 (FA) (MVAPH12)

Continue your photographic studies by learning more advanced techniques such as shooting in RAW format like a professional photographer. The course consists of 5 themes: Identity, Time, Place, Story/Documentation and Creation. Within each theme are 5-6 choices and students choose 2 types of photography within each theme that interest them. Some examples: pet photography, flash portraiture, golden hour/blue hour High Dynamic Range photography, night photography, drone photography, landscapes/cityscapes, documentary photography, sports photography, macro focus stacking, abstract photography and surrealism/composite photography. Students will also have the opportunity to study 5 famous photographers of their choice based on each of the 5 themes in the course. Students work more independently in Photography 12 and will have weekly Adobe Photoshop and Adobe Lightroom Workshops. **Students must take Photography 11 before proceeding to Photography 12.**

GRAPHIC PRODUCTION 11 (YEARBOOK) (MGRPR11)

Are you interested in photography, graphic design, art, or business? Dive into this opportunity to learn editorial photography, Photoshop, InDesign, and enhance your interview skills. Experience the satisfaction of having your projects published, contributing to our school's legacy. Yearbook 11 not only allows you to explore your creative potential but also provides skills that will differentiate you in a competitive landscape. Utilize your talents to create a lasting document for our school community, a tangible accomplishment for your academic and professional journey. Note: This course occurs every second day and concludes in late April.

GRAPHIC PRODUCTION 12 (DESKTOP PUBLISHING/YEARBOOK) (MGRPR12)

Refine your design and editing skills with Yearbook 12. Immerse yourself in InDesign, Photoshop, and magazine layout, gaining skills that are relevant to professional settings. This course offers more than individual growth; it's an opportunity to lead and mentor, playing a pivotal role in shaping a lasting legacy. The skills acquired not only demonstrate your artistic abilities but also become a valuable asset for your future. Don't miss the chance to make an impact, with the culmination of your efforts unveiled in a well-crafted yearbook. Note: This course occurs every second day and concludes in late April.

BUSINESS EDUCATION

ACCOUNTING 11 (AS) (MAC-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/bookkeeping 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. Get a preview of the type of content you may experience in post-secondary business studies.

BUSINESS COMMUNICATIONS 11(AS) (YBMO-11)

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

MARKETING & PROMOTION 11 (AS) (MMAP-11)

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 & Promotion 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. We will do an actual sales event, where students work for their share of the profits. Students will also have the opportunity to compete in nation-wide business pitch and case study competitions. 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. Get a preview of the type of content you may experience in post-secondary business studies.

BUSINESS COMPUTER APPLICATIONS 12 (AS) (MBCA-12)
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, presentations, and telecommunications including e-mail and the Internet. Activities focus on real- world uses of computer applications and relate to the world of work."

ECONOMICS 12 (AS) (MEC—12)
This foundational course aims to provide students with a solid framework of economic theory, serving as a stepping-stone for future studies in Economics or Business-related fields. Delving into diverse topics including economic systems, supply and demand dynamics, the distribution of goods, money and banking principles, international trade intricacies, and the role of government, this course lays a comprehensive groundwork for deeper exploration. Economics 12 is highly recommended for students aspiring to pursue Business Studies at the post-secondary level, offering a rich understanding of essential concepts in the field.

E-COMMERCE 12 (FORMERLY MARKETING 12) (AS) (MECOM12)
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 E-Commerce 12, students will study and examine markets and advertising on a global scale, doing in depth external analysis to determine companies' global expansion. The course will provide students with an opportunity to enhance their business management and entrepreneurship skills from a global perspective. We will focus on the Internet as a disruptor in business and the changes it has brought in the past 25 years. Get a preview of the type of content you may experience in post-secondary business studies. **Recommendation: Marketing & Promotion 11**

TOURISM 11/12 (MTRM-11, MTRM-12)
Tourism 11 and Tourism 12 represent a comprehensive introduction to a fast-paced, rapidly changing, and extremely diversified industry. Core elements of the program are therefore designed to encourage students to apply, and refine, a wide range of attitudes, skills, and knowledge. The inclusion of Tourism Essentials provides students with both transferable skills and employability skills and a foundation for workplace training in any of the five sectors of the tourism industry.

DANCE

DANCE: PERFORMANCE 10 (FA) (MDNTP10)

DANCE: PERFORMANCE 11 (FA) (MDNTP11)

DANCE: PERFORMANCE 12 (FA) (MDNTP12)
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, Kpop and contemporary. Strengthening and stretching classes will also occur on a regular basis.

DANCE 12: CHOREOGRAPHY (FA) (MDNC-12)
Experienced dancers who already have credit for Performance Dance 12 may enjoy this advanced course in choreography (exceptions can be made for experienced dancers who do not have credit for Performance Dance 12). 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 LANGUAGE ARTS 10
These courses will prepare students for the demands of senior level English courses. All Heritage Woods Secondary students will take Composition 10 (2 credits) and select an additional 2 credit course from the following:
Literary Studies10, New Media 10, or Spoken Language 10. Students will continue to explore and refine personal, social, and cultural contexts, values, and perspectives, including those of First Peoples, within the literary texts studied.

COMPOSITION 10 (2 credits)
Possible areas of focus: narrative, expository, descriptive, persuasive and opinion pieces; studying published pieces and creating original work, writing for specific audiences, and disciplines; continuing to develop skills in planning, drafting, editing, citing sources, and evaluating the credibility, quality, reliability of sources.

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

A. **LITERARY STUDIES 10 (MLTST10)** Possible areas of focus: genre specific works that may include poetry, short stories, drama, graphic novels, Canadian literature, First Peoples texts, non-fiction, thematic studies, and specific author studies.

B. **NEW MEDIA 10 (MNMD-10)** Possible areas of focus: influence of media, documentaries, and social media on users; journalism and publishing; digital communication such as blogging, podcasting, film, and television; and writing for the web.

C. **SPOKEN LANGUAGE 10 (MSPLG10)** Possible areas of focus: spoken word/slam poetry/rap, poetry recitation, oral storytelling, speeches, reader's theatre, radio/podcasts/video posts including those related to First Peoples themes; speech writing/presenting, interviewing, event facilitation.

ENGLISH LANGUAGE ARTS 11

STUDENTS MUST CHOOSE ONE OF THE FOLLOWING (4 credits):

All students will be taking an EFP (English First Peoples) Literary Studies course which focuses on deepening understanding of Indigenous issues and perspectives through an exploration of authentic Indigenous texts. Students will explore text in a variety of forms and genres, and will be encouraged to think critically, creatively, and reflectively to explore ideas within and between texts. They will write in a variety of genres, structures, and forms, and will be encouraged to take risks and become ever more precise and intentional in their use of language.

A. EFP LITERARY STUDIES + NEW MEDIA 11 (MELNM11)
In addition to the curriculum of EFP Literary Studies, this course has a particular focus on new media forms such as blogs, social media, and film studies.

B. **EFP LITERARY STUDIES + SPOKEN LANGUAGE 11 (MELSL11)**
In addition to the curriculum of EFP Literary Studies, this course has a particular focus on spoken language forms such as speeches, poetry, and oral storytelling.

C. **EFP LITERARY STUDIES + WRITING 11 (MEFLS11)**
In addition to the curriculum of EFP Literary Studies, this course has a particular focus on the requirements of a greater variety of written forms, such as poetry, stories, and non-fiction articles which may include forms for publication.

Please note that each of these courses meets the Ministry's graduation requirement for 4 credits of Indigenous-focused course work.

ENGLISH LANGUAGE ARTS 12

ENGLISH STUDIES 12 (4 credits) (Required)
In English Studies 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, well-organized essay and use descriptive or narrative techniques effectively. It is designed for all students and provides them with opportunities to refine communication in a variety of contexts; to think critically and creatively with language; to explore texts from a variety of sources that reflect worldviews; to deepen understanding of themselves and others in a changing world; to appreciate the importance of self-representation through text; to contribute to Reconciliation. **Required course to meet BC Graduation Requirements.**

ENGLISH STUDIES 12 HONOURS
English Studies 12 Honours is an option for students who enjoy reading and wish to learn more about literary culture and traditions, joining with other students who share this passion in wide-ranging activities and discussions. Students will read a variety of short stories, non-fictional works, poems, and dramatic works. Students will continue to hone their critical thinking, writing, speaking and presenting skills. Course requires English teacher recommendation for all interested students. **Meets English Studies 12 BC Graduation Requirement.**

CREATIVE WRITING 12 (elective 4 credits) (Open to students in Grades 11 or 12) (MCTWR12)
Creative Writing teaches principles of good writing for students to apply to their own preferred genre. Possible areas of focus: Fiction and poetry (may include flash fiction, adventure, comic/graphic, sci-fi, script writing); poetry; non-fiction (may include articles, interviews, reviews, memoirs). Open to grade 11 and 12 students.

LITERARY STUDIES 12 (elective 4 credits) (Open to students in Grades 11 or 12) (MLTST12)
Possible areas of focus: genre specific works, of different literary and historical eras, such as Paradise Lost, Beowulf, The Lord of the Rings, just to name a few. Exploration of literature that influenced historical thinking and action such as Frankenstein. Various literary genres that may include poetry, short stories, drama, graphic novels, Canadian literature; First Peoples texts by authors such as Richard Wagamese, Thomas King, and Drew Hayden Taylor; thematic studies; and specific author studies such as Charles Dickens, Mark Twain.

ELL COURSES

ELL BEGINNER (Level 1-2) (non-credit course)
This beginner ELL 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 an ELLsupport/tutorial class**.

ENGLISH LANGUAGE DEVELOPMENT 10 (level 2/2+) 4 credits
The course is designed to continue to develop ELL students in the four main English language skills of reading, writing, listening, and speaking. It also encourages the viewing and representation of materials. The course focuses on developing strategies needed to read, write and extract information successfully in English, and addresses specific needs of students regarding language and culture. Throughout the course, students participate in authentic real-life situations. Students demonstrate growth in English language proficiency through oral, visual, and simple written forms. Students identify and compare their own customs to Canadian culture and customs. **Students will also be required to enroll in an ELL support/tutorial class.**

INTRODUCTION TO ACADEMIC LANGUAGE 10 (Level 3) 4 credits
Through Introduction to Academic Language 10, students will develop the academic language and extend the English language skills needed to be more successful in the content areas of English and Socials. The course builds students' writing, speaking, listening, and reading competencies by introducing them to a variety of text genres, registers, structures, forms, and styles. Students will listen, read, and study texts in specific genres by studying the forms, styles, and models required to create these text structures to build their competencies so they can create original pieces. Included in this course are the elements that make up Canadian Culture (cultural identity and First Peoples culture). Introduction to Academic Language 10 is designed for English Language Learners at Level 3 on the current 5 level ELL Standards. **Students will also be required to enroll in an ELL support/tutorial class.**

CIVICS 11 (Level 3+/4) (non-credit course)
While developing their proficiency in English, Civics 11 acquaints students new to Canada with Canadian geography, history, government, law, culture, customs and current events. Students will develop their skills in reading comprehension, speaking and writing descriptively and analytically, formulating theses, expressing opinions and demonstrating an understanding of concepts in increasingly complex writing. The strategies, concepts, and language skills taught are as important as the content. Key vocabulary, visuals, and concepts are covered in this course to ensure success in Social Studies 10. **Students will also be required to enroll in an ELL support/tutorial class.**

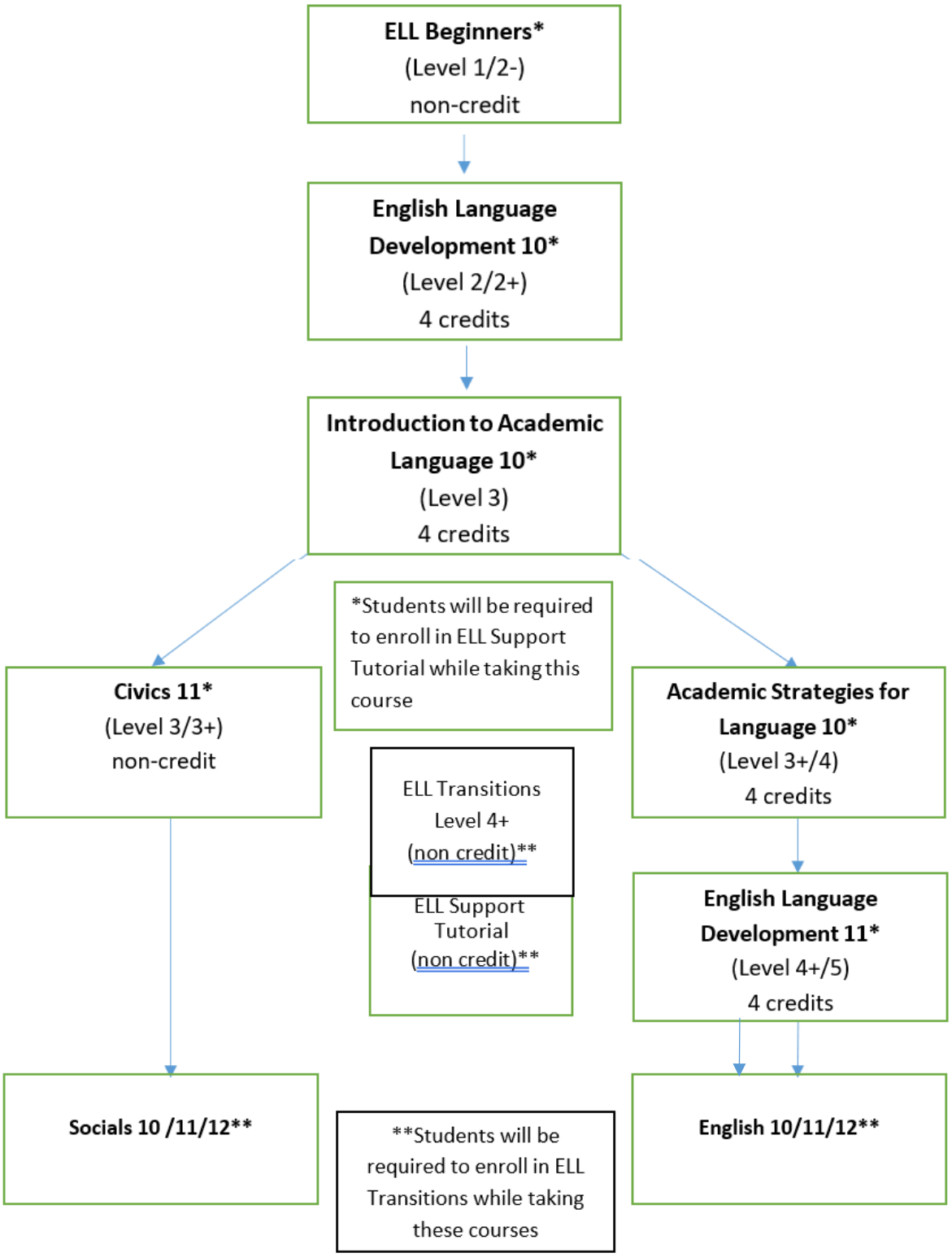
ACADEMIC STRATEGIES FOR LANGUAGE LEARNERS 10 (Level 3+/4) 4 credits
This course is designed to familiarize and extend a student's abilities to use various strategies independently to meet the Learning Standards and Big Ideas, concurrently being successful in content-based courses such as English Language Arts, Social Studies and Science. Emphasis will be on the comprehension of important concepts, linking current information to prior knowledge and the application of strategies and skills learned. Students will become familiar with a variety of learning skills and Canadian assessment techniques. As well, through discussion and debate, students will learn aspects of the history and culture of Canada. Students will continue their study of genres. **Students will also be required to enroll in an ELL support/tutorial class.**

ENGLISH LANGUAGE DEVELOPMENT 11 (Level 5) 4 credits (BAA)
This course is designed for students who has successfully completed Academic Strategies 10 and have a first language other than English. As the most advanced ELL course, it designed to extend the students' exploration of the English language skills of reading, listening, speaking, and viewing, with an emphasis on intercultural competency, academic vocabulary, genre, and written expression. **Students will also be required to enroll in an ELL support/tutorial class.**

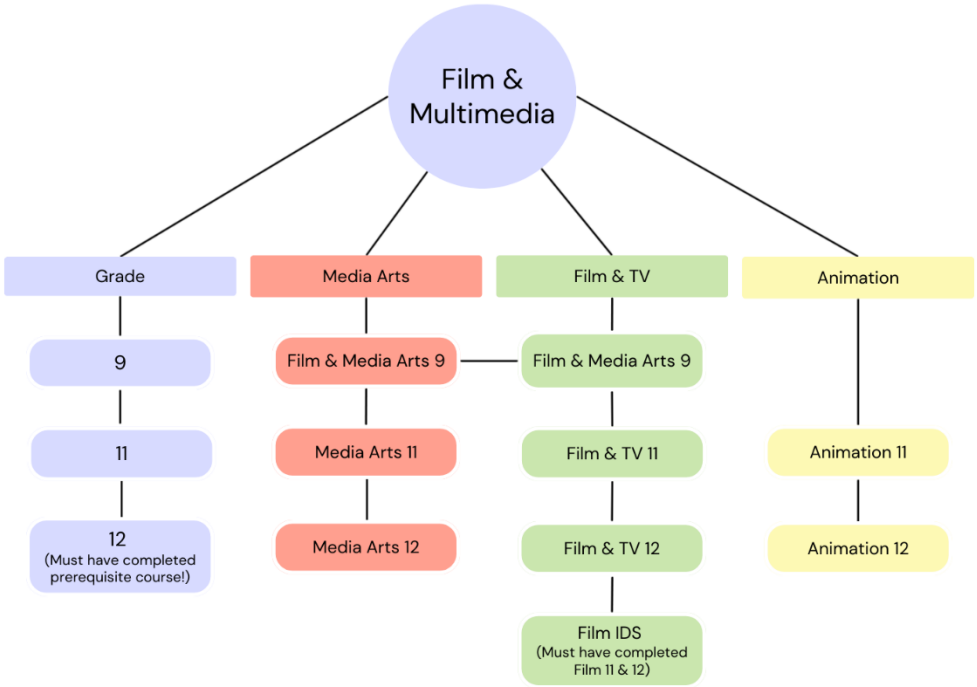
ELL TUTORIAL (non-credit course)
This course will support EAL students who are enrolled in regular language-based courses like English and Social Studies. Held outside the regular schedule, this class does not replace any core or elective courses. Students are encouraged to discuss and participate to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

ELL TRANSITIONS 11 (non-credit course)
This class is intended to provide language, social and academic support across the curriculum. This class is designed for advanced ELL students who are now enrolled in regular English and Social Studies and require assistance with language-based assignments. This class is also offered to students who are new to the country and will provide a setting for academic and social interaction. Held outside the regular school schedule, this class does not replace any core or elective courses. Students are encouraged to discuss and seek help on homework that they have tried and to connect with other students. This class aims to help students be successful at school. This is an assigned course outside the timetable and students are expected to attend and participate fully.

Progression of Courses for ELL Students



FILM & MULTIMEDIA



FILM AND TV 11 (DRAMA: FILM & TV 11) (MDFT-11)

Intro to Film & TV is a hands-on, beginner 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 through hands-on experience, trial and error, feedback and correction, and questions and answers. Students in Film & TV will be engaged in short film productions and skills-based assignments. All of the basic film concepts will be taught and applied in this class. **This course is open to grade 10, 11or 12 students with no previous experience.**

FILM & TV 12 (DRAMA: FILM & TV 12) (MDFT-12)

Advanced Film & TV 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, with a focus on intentionality and applying film theory to their work. Unlike Film & TV or Film & TV 9, Advanced Film & TV students are expected to have a good working knowledge of the basics of filmmaking. Students often work independently to create their own short films, exploring all the processes of filmmaking, from storyboards to final edits. **Students should take Film & TV before proceeding to Advanced Film & TV.**

ADVANCED FILM PRODUCTION 12 (IDS)

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

INTRO TO ANIMATION (ANIMATION 11) (YCCT-1A)

Intro to Animation is beginner course for students interested in animation. Students will develop the ability to identify, describe, analyze, interpret and make judgments about the visual elements and principles of art and design as used in animation. Basic drawing, design, animation principles, storytelling, and 2D, 3D and stop-motion techniques will be explored. Students will learn the history, tricks and skills needed to make Disney, Pixar, or Anime style stories come to life. **This course is open to students in grade 10, 11, or 12 with no previous experience.**

ADVANCED ANIMATION (ANIMATION 12) (YCCT-2A)

Students will develop more advanced animation skills through practical exercises and a focus on creating their own short films. Storytelling, composition, design, and movement are all emphasized in-depth for students with some experience in animation. In Advanced Animation, students may explore the curriculum in any animated medium of their choice. The course will be delivered in a way that simulates what is done in the real workforce at an animation studio and exposes students to the skills that will prepare them for post-secondary. Students will produce a final short film and portfolio for post-secondary application. **Students should take Intro to Animation before proceeding to Advanced Animation.**

DIGITAL MEDIA (VISUAL ARTS: MEDIA ARTS 11) (MVAMT11)

This course offers hands on experience with film making, 2D animation, graphic design, motion graphics and other multimedia and digital design tools and techniques. Students will begin to develop their personal creative style in a variety of mediums; there is something for everyone. The course is ideal for those interested in animation, digital illustration and design, visual effects, and digital multimedia and who want to learn a broad skill-set of industry standard software and techniques. **This course is open to grade 11, and 12 students with no previous experience.**

ADVANCED DIGITAL MEDIA (VISUAL ARTS: MEDIA ARTS 12) (MVAMT12)

Building on the skills learned in Digital Media, students will continue to develop their multimedia skills in a variety of industry standard software and techniques. Students are expected to have a basic knowledge of digital design and related software and create independent projects in areas such as animation, graphic design, 3D modeling, sound design, and other media. Exploration of design ideas, artistic concepts and personal style and client relationships will be explored with the goal of producing a portfolio for post-secondary or career application. **Students should take Digital Media before proceeding to Advanced Digital Media.**

HOME ECONOMICS

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

FOOD STUDIES 11 (AS) (MFOOD11)
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!

FOOD STUDIES 12 (AS) (MFOOD12)
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: Recommended students have taken Food Studies 11**

TEXTILES 11 (AS) (MTXT-11)
Dreaming of Project Runway? Learn to fabricate stunning, one-of-a-kind creations! Develop basic machine skills (serger, sewing machine, and iron-press) and explore industry and couturier construction techniques through completion of 3-4 projects. Apply design principles and fabric knowledge to create garments that are uniquely yours! This course is divided into 2 levels: Level 1 for those with little or no sewing experience and Level 2 for those who have completed Textiles 9 or equivalent. Projects may include a 2-piece stretch knit outfit, a fitted skirt or pant, shirt or unlined jacket, camisole, and stuffed animal. Patterns/ projects will be selected according to the experience and desire of students. This course is highly recommended for students interested in fashion design and/ or merchandising.

TEXTILES 12 (AS) (MTXT-12)
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: Recommended that students have taken Textiles 11**

TEXTILE ART AND CRAFTS 10 (YHEC-0A)
This is an entry-level course designed to provide an overview of both theory and practical experience in the production of craft items. It introduces students to a wide variety of crafts as well as their historical and cultural significance. Through construction of projects, students have the opportunity to explore many crafting techniques using a variety of tools. This hands-on, project based course will provide students the opportunity to express their skill and creativity through a number of crafts that may include stitchery / needlework, decorative painting, hand and machine sewing, creative lettering, scrapbooking, etc.

TEXTILE ART AND CRAFTS 11 (YHEC-1A)
This course is designed to provide both theory and practice in the production of craft items. It introduces students to a wide variety of crafts as well as then- historical and cultural significance. Through projects made, students have the opportunity to develop and refine many different crafting techniques by following instructions given as well as by using creativity to express themselves individually. Students will be given the tools to organize and manage their time and energy effectively. For some, this exposure might ultimately influence their interest to pursue a career in a related field, i.e. candle and soap making. This hands-on, project-based course will provide students the opportunity to make a connection between the past and the present.

Through the completion of a number of traditional crafts (ie. crocheting, knitting, cross-stitching, clay/dough creations, cards, soft sculptures, etc.) as well as those based on modern technology, students will be encouraged to utilize their leisure time in a productive and creative way.

TEXTILE ART AND CRAFTS 12 (YHEC-2A)
This is a hands-on, project-based course that gives students the opportunity to learn skills for productive use of their leisure time as well as the possibility of crafting and design as a profession. This course is designed for students to learn professional crafting with the end product aimed at meeting consumer wants and needs. A community project will be taken from a conceptual proposal to design development and ultimately production and delivery of the product. Students will learn a variety of new skills and crafting techniques. In addition, they will acquire the skills to evaluate craft items on the basis of their design, construction and appeal. Examples of projects may include, applique work, stitchery, beading, paper crafts, patchwork, soft sculpture, etc.

CHILD DEVELOPMENT AND CAREGIVING 12 (AS) (MCDAC12)
Child Development and Caregiving 12 is an excellent course for students interested in careers involving children, healthcare, childcare, teaching, or simply considering the responsibilities of being a parent. This course covers valuable topics including reproductive anatomy, healthy relationships, conception, pregnancy and childbirth. In addition, it will cover stages of child development from birth to age 12. Finally, the course also examines childcare options and family programming. Hands-on learning experiences include caring for a robotic baby, participating in a buddy program, and visiting a daycare. This course is open to students from grades 10 to 12.

INFORMATION TECHNOLOGY

COMPUTER PROGRAMMING 11 (AS) (MCMPR11)
Create your own software! Design your own applications! Create your own video game! Using the Python programming language, Computer Programming 11 will teach students to design programming algorithms, think logically about programming problems and utilize modern high-level programming tools to solve real world computer problems. This course is designed to prepare students for university level Computing Science or Software Engineering.
Recommendation: Math 10 Foundations and Pre-Calculus

COMPUTER PROGRAMMING 12 (MCMPR12) Focus: 2D Game Design Coding (AS)
Tetris Master? 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 the 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.

SOCIAL DYNAMICS IN TABLETOP ROLEPLAYING GAMES 11 (AS) (YIPS-1B)
Social Dynamics in Tabletop Role Playing Games is an optional course that focuses on friendship, leadership, and mental well-being as students engage in games like Dungeons and Dragons, Pathfinder, Polaris, Starfinder and more. Although the main focus of the course is on peer interaction, participants will also design adventures, characters, monsters, encounters as well as learn the basics of 3d printing, painting, map production and other design elements. There are no prerequisites for this course.

LANGUAGES

FRENCH 10 (MFR--10)
This course offers a dynamic, group-based learning environment where the focus is on authentic, spontaneous communication. Students will naturally acquire French language skills through games, collaborative projects, conversations with their peers, storytelling and classroom technology. We will explore and celebrate Francophone culture through a variety of experiences, including culinary adventures (yes, food!), pop music, poetry, and film. By the end of the course, students will be able to have simple conversations in French about everyday topics such as musical preferences, friendship, school life and daily routines.
Recommendation: French 9 or the permission of the Department Head

CORE FRENCH INTRODUCTORY 11 (MFRI-11)
Core French Introductory 11 offers an opportunity for students who did not begin Core French in the elementary grades to enter Core French at the secondary level. This course covers essential learning standards from Grades 5 to 10 in an accelerated time frame in order to prepare students for Core French 11. Parts of it are quite intensive. It should be noted that this course does not replace the richness of the regular Core French 5-10 curriculum.

Students in this course are part of a dynamic, group-based learning environment where the focus is on authentic, spontaneous communication. They will acquire French language skills through games, collaborative projects, conversations with their peers, storytelling and classroom technology. Students will explore and celebrate Francophone culture through a variety of experiences, including culinary adventures (yes, food!), pop music, poetry, and film.

It is assumed that students would have limited to no background in Core French prior to enrolment. There are no prerequisites for this course.

FRENCH 11 (MFR--11)
This course offers a dynamic, group-based learning environment where students will continue to hone their French skills through collaborative projects, games, storytelling, interactive activities, and technology. We focus on authentic, spontaneous communication with the goal of being able have real conversations in everyday French. We will explore and celebrate Francophone culture through a variety of experiences, including culinary adventures (i.e. food!), music, poetry, and film.

Recommendation: French 10 or the permission of the Department Head.

FRENCH 12 (MFR—12)
This course offers a dynamic, group-based learning environment where students will hone their French skills through daily conversations and videos, collaborative projects, games, storytelling, and classroom technology. Students will learn to express themselves with increasing fluency and sophistication both orally and in writing. We will explore and celebrate Francophone culture through a variety of cultural experiences, including culinary adventures (i.e. food!), music, poetry, and film.

Recommendation: French 11 or the permission of the Department Head.

INTRODUCTORY JAPANESE 11 (MBJA-11)
This is a course for students who have not previously studied Japanese. Students will develop a degree of proficiency in listening, speaking, reading and writing. Students should be aware that as a combination of Japanese 9 and 10, this is a fast paced and intensive course. Excellent work habits are essential. Successful completion of this course gives students sufficient second language credit for admission to some universities.

JAPANESE 11 (MJA—11)
This course is for students who have a basic understanding of Japanese and knowledge of hiragana and katakana alphabets. Students will learn an increasing range and more sophisticated level of commonly used vocabulary and

sentence, as well as kanji (Chinese characters). Engaging in short conversations (such as skits) and expressing opinions will be emphasized. **Recommendation: Japanese 9 or Japanese 10/11 Beginner**

JAPANESE 12 (MJA—12)
This course is a self-paced course and builds upon the previous years of Japanese study. Emphasis is primarily on written accuracy. Students are encouraged to work independently and can work at their own speed. This course is ideal for students who can study on their own.
Recommendation: Japanese 11

HWSS SPANISH
Start Spanish from ZERO and quickly get to FUN and *practical* communication! We will imitate the natural process of language learning that all humans are wired for – if you have already learned ONE language (and we ALL have a first language), then you can learn Spanish too!

STUDENTS WILL:

- listen to understand engaging stories, music (from children's songs to the latest Latin pop hits) and practical conversation
- read in Spanish – engaging stories created together *Skits and costumes may occasionally be involved*
- learn about culture via music, shows and videos designed to be engaging & easily understandable
- speak to show understanding – first single Spanish words, then phrases, then simple conversations
- write from simple phrases all the way to original story writing
- talk about how they are *really* doing & their *real* lives
- communicate spontaneously and authentically

STUDENTS WILL NOT:

- Use English to talk about Spanish
- Memorize endless word lists and verb conjugations
- Memorize canned dialogues ("I travelled to _____ but they didn't know their lines!")
- Learn on their own at home – class participation is where the magic happens
- Tell people: "I studied Spanish for __ years but I don't remember any of it!"

SPANISH 10 (MSP—10)
Building on their Spanish 9 foundation, students will continue to develop communication skills through fun, engaging activities using high-frequency vocabulary. Recommendation: Spanish 9

INTRODUCTORY SPANISH 11 (MBSP-11)
Students who have not previously studied Spanish will start here and acquire a foundation through engaging activities develop basic proficiency in listening, speaking, reading and writing. This fast-paced and intensive course is an accelerated combination of Spanish 9 and 10, thus excellent work habits are essential.

SPANISH 11 (MSP—11)
Continuing from Spanish 10, students will further build their spontaneous communication skills and listen, read, speak and write to express themselves in more complex Spanish on more varied and complex topics. Recommendation: Spanish 10

SPANISH 12 (MSP—12)
Students will express themselves more effectively and deepen fluency, confidence and accuracy. They will listen, read, speak and write on a wider range of topics and in more authentic contexts to extend their proficiency. Recommendation: Spanish 11

LEADERSHIP

JUNIOR LEADERSHIP 10 (BAA) (YCPA-0A)

This course builds on the leadership foundations introduced in Grade 9, offering Grade 10 students an opportunity to deepen their understanding of leadership principles and take on more significant responsibilities. Students will refine skills such as advanced communication, conflict resolution, and decision-making while exploring leadership challenges in greater depth.

The course includes units on ethical leadership, strategic planning, and community and culture building, Students will engage in the involvement of school service and community volunteering. Emphasis is placed on accountability, adaptability, understanding how to inspire and motivate others as well as encouraging students to think critically about the impact of their actions.

Grade 10 Leadership focuses on practical application and growth, preparing students for future roles in leadership within their school and beyond. By the end of the course, students will have been offered the tools to take initiative, lead with integrity, and create positive change in their community.

SENIOR LEADERSHIP 11/12 (BAA) (YCPA-1A)

The purpose of this course will be to provide students with a platform to identify, explore, develop, and enhance essential leadership skills. Students will participate in individual and collaborative activities within our class, school, and wider local community. For example, they will run events such as the Truth and Reconciliation, Terry Fox Run, Halloween Spirit Week and the Christmas Food Drive. They will also develop their own leadership initiatives that may help to build the culture of our school. Through discussion and written assignments, students will reflect on their approach to leadership with the aim of raising awareness of their own leadership potential and refining their leaderships skills.

ATHLETIC LEADERSHIP 11/12 (BAA) (YLRA-1B/2B)

Athletic Leadership is for students interested in developing their leadership skills while working in an athletic environment. The course is designed to prepare students to become effective leaders within athletic events and our school community. Some topics covered in the course are qualities of an effective leader, refereeing and minor officiating volleyball/basketball/intramurals events and coordinating activities and tournaments. Students will develop leadership skills through the context of athletics, goal setting, and ethical decision-making through the practice of communication, activity management, and teamwork. Through lessons, practical activities, and live athletic events, students will gain the confidence and skills necessary to develop as positive leaders and role models. Emphasis will be on personal responsibility, accountability, teamwork, and active engagement for the course. Students will be expected to acquire 30 volunteer hours within the community to enhance and contribute to the positive culture of the school. By the end of this course, students should be able to understand the impact of their leadership skills for participants, spectators, and the school community. This course is offered within the timetable for grade 10, 11 and 12 students.

DIGITAL TECHNOLOGY LEADERSHIP 10-12 (AS) (YCPA-0A-TL)

This course provides an opportunity for students passionate about technology and supporting students and staff to contribute to their school and wider community. Tech leaders assist students and staff with any technology-related activities, with an emphasis on helping grade 9 students enrolled in the Digital Learning 10 course. This course requires students to build a leadership philosophy influenced by the school community and educational technology. To be eligible, students need a minimum of 73% in Digital Learning 10 and have demonstrated strong work habits. Acceptance is based on teacher approval and an interview.

PHILANTHROPY 11/12 (YCPA-2A-PH)

Philanthropy 11/12 is an engaging and dynamic course that empowers students to become thoughtful and impactful contributors to their school and community by providing a comprehensive understanding of philanthropy, exploring its

definition, history, and significance in fostering positive societal change. Students will develop critical skills such as leadership, empathy, collaboration, and strategic planning while learning to identify community needs and implement meaningful initiatives such as fundraising events, awareness campaigns, and volunteer programs. Through building partnerships with local organizations, encouraging peer and community participation, and reflecting on the outcomes of their efforts, students gain practical experience in creating and sustaining philanthropic projects. A key component of the course involves inspiring and educating younger students by developing and facilitating age-appropriate workshops on essential topics like healthy relationships, anti-vaping, and positive coping mechanisms, fostering a safe and inclusive environment for elementary and middle school students. By the end of the course, students will understand philanthropy's role in building stronger communities, develop skills to lead and support meaningful change, and foster a lifelong commitment to making a difference in the lives of others while leaving a lasting impact on their school and community.

PEER TUTORING

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

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

PEER TUTORING 11 (BAA) (YED-1A)

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 (BAA) (YED-2A)

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.

MUSIC PEER TUTORING 11/12 (BAA Peer) (YED—1APE)

This course will enable music peer tutors to gain the knowledge and learn the skills related to teaching and learning. Music Peer Tutors (MPT) will be working with peers and middle school students to help them achieve their goals as beginner instrumentalists and choral singers. Also, MPT will allow students to investigate their interests in working with people, especially if they are interested in pursuing a career in the human services realm (teaching, medical and health fields, etc). The course provides the MPT student with opportunities to develop effective communication skills with their tutees and teachers. Students will complete practical aspects of the course with teacher supervision such as prepping for tutoring sessions, working with students, doing demonstrations and regular teaching of selected students.

MATHEMATICS

The Heritage Woods 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 the Ministry of Education Mathematics course options that are offered.

Students are encouraged to consider post-secondary plans and requirements for specific programs and schools of interest in preparation for course selection. Our school offers support from a post-secondary and career advisor (Ms. Butler) who can offer guidance around the requirements for specific schools and programs.

FOUNDATIONS OF MATHEMATICS AND PRE-CALCULUS 10 (MFMP-10)
This course is designed to provide students with the mathematical understanding and critical-thinking skills identified for post-secondary academic studies at colleges and universities. Topics include applying trigonometric ratios to right triangles, irrational numbers, powers involving integer exponents, polynomials, coordinate geometry with linear relations, systems of linear equations, using function notation, financial literacy and experimental probability.
Recommendation: *Proficient* in Math 9 or *Developing* in Math 9 with continued skill building and review (ex. Summer Skill Building Math 10 course, online review programs like IXL, etc).

WORKPLACE MATHEMATICS 10 (MWPM-10)
This course is designed to provide students with the mathematical understanding 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, trigonometry, applying the Pythagorean Property, geometry, financial literacy, graphing and experimental probability.

CHESS 11 (BAA) (This course is open to students in Grades 10, 11 & 12) (YMATH1A)
This course is designed to introduce students to the mathematical thinking required in the wonderful world of chess. This course will focus on the rules and etiquette of chess, how to read and record chess games, strategy, tactics, and opening, middle, and endgame theory. As well, the course will focus on the study of famous master games and daily in-class play and tournaments. Not only will the course take the student from beginner to intermediate level of play, but students will also benefit from the logical, critical, and analytical thinking chess provides- skills that can be transferred to all subject areas. This course is open to grade 10, 11 and 12 students.

PRE-CALCULUS 11 (MPREC11)
This course is designed to provide students with the mathematical understanding 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 in this course will include polynomials, factoring, powers with rational exponents, radical equations, rational equations, quadratic functions, linear and quadratic inequalities, trigonometry, and financial literacy. **Recommendation: 70% or higher in Foundations of Mathematics and Pre-Calculus 10 with strong algebra skills.**

PRE-CALCULUS 11 HONOURS (MREC11H)
This course is designed for students who want to enrich their mathematical understanding and critical-thinking skills. The topics of Pre-Calculus 11 (see above) will be covered in more depth with an emphasis on developing effective problem-solving skills. In addition, extra topics beyond Pre-Calculus 11 curriculum may include conics, matrices and combinatorics. Students are highly encouraged to participate in Math contests that the school offers. On official transcripts, this course will show as Pre-Calculus 11 as no specific distinction is given for honours courses.
Note: Teacher recommendation required.

FOUNDATIONS OF MATHEMATICS 11 (MFOM11)
This course is designed to provide students with the mathematical understanding and critical-thinking skills identified for post-secondary studies in programs like Humanities, Fine Arts, Social Sciences, and other programs that do not require the study of theoretical calculus. Topics in this course include logic, geometry, statistics, significant graphical analysis, and financial literacy. *This course can be misunderstood to be an "easy" math course, however it is an academic course. While it involves less algebra than Pre-Calculus 11, students should expect to use and further prerequisite skills from Math 10.*
Recommendation: 70% or higher in Foundations of Mathematics and Pre-Calculus 10.

WORKPLACE MATHEMATICS 11 (MWPM-11)
This course is designed to provide students with the mathematical understanding and critical-thinking skills identified for entry into the majority of trades and for direct entry into the work force. The course includes the topics of measurement, geometry, finance, algebra and statistics.

FOUNDATIONS OF MATHEMATICS 12 (MFOM-12)

This course is designed to provide students with the mathematical understanding 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, Trade and Technical programs as well as some Psychology and Business programs. Topics in this course include financial planning, set theory, probability, combinatorics, graphing functions, regression analysis, and geometric explorations. *This course can be misunderstood to be an "easy" math course, however it is an academic course. While it involves less algebra than Pre-Calculus 12, students should expect to use and further prerequisite skills from Math 10 and Foundations of Math 11.*

Recommendation: 70% or higher in either Foundations of Math 11 or Pre-Calculus 11.

GEOMETRY 12 (MGMT-12)

This course is designed to provide students with an understanding of geometric principles 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. Students can elect to take this in addition to Pre-Calculus 11 or 12 to enrich their mathematical understanding. Topics include circle geometry, construction, tangents and geometric proofs. **Recommendation: Foundations Math 11 or Pre-Calculus 11 (may be taken concurrently)**

PRE-CALCULUS 12 (MPREC12)

This course is designed to provide students with the mathematical understanding 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 transformations of functions, trigonometry, exponential functions & logarithms, polynomials, rational functions, and geometric sequences and series. **Recommendation: 70% or higher in Pre-Calculus 11 with strong algebra and graphing skills.**

CALCULUS 12 (MCALC12)

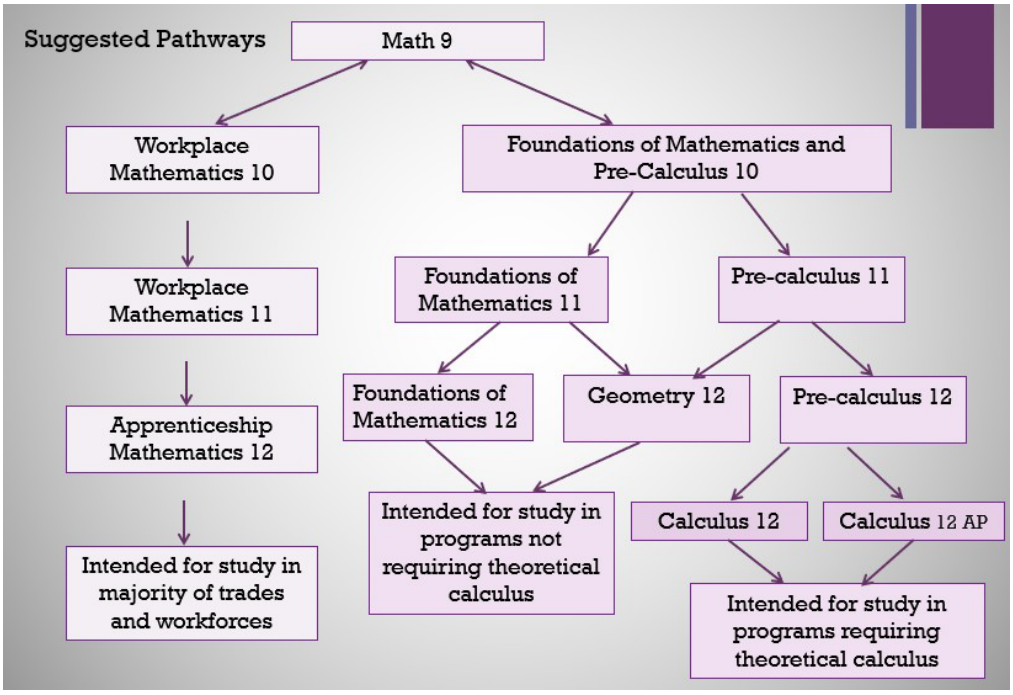
This course is designed for students planning to take Calculus at the post-secondary level. The topics covered include those taught in first year Calculus classes: functions, limits, continuity, derivatives, curve sketching, related-rate problems, maximization problems, basic integration and area under curves. Emphasis will be on building student ability to solve problems with persistence and to select and apply effective strategies.

Pre-requisite: Pre-Calculus 12.

AP CALCULUS 12 (ACAL-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 and successful completion of this exam will result in University credit at accredited AP institutions.

Recommendation: 90% or higher in Pre-Calculus 12.



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 formore detail and for Honours options.*

MUSIC

Heritage Woods offers a comprehensive music department that will run between Period 1 through Period 6. Classes are enrolment dependent. Classes that run in Period 1, will begin at 7:45am. Period 6 is after school.
Note: all music classes are a credit course (for marks).

Music Classes will be performance-oriented, but will include learning outcomes related to music theory, music history, appreciation and cultural awareness. Students will be expected to attend all scheduled extra-curricular and scheduled rehearsals, and a variety of performances both in school and in the community. 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 take part in additional learning opportunities such as music festivals, workshops, etc.

INSTRUMENTAL MUSIC PROGRAM

Instrumental courses are intended for all students who play instruments appropriate to concert band, jazz band, string orchestra and guitar. The provision of instruments is the students'/families' responsibility; with the exception of some very large and expensive instruments. Contact the music teacher for more details.

CONCERT BAND 10 (FA) (AS) (Linear) (MMUCB10)

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. Beginner students (learning a new instrument) may sign-up with teacher permission. **Recommendation: Band 9 (may include an audition)**

STRING ORCHESTRA 10 (FA)(AS) (Linear) (MMUOR10)

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 (may include an audition). Note:** This course is not designed for beginning violin, viola & cello players. Previous experience on the violin, viola and cello is needed in order to participate in this class.

CONCERT BAND 11 (FA)(AS) (Linear) (MIMCB11)

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 (may include an audition)**

STRING ORCHESTRA 11 (FA)(AS) (Linear) (MMUOR11)

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. Beginner students (learning a new instrument) may sign-up with teacher permission. **Recommendation: Band 10 (may include an audition)**

CONCERT BAND 12 (FA)(AS) (Linear) MIMCB12)

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.
Recommendation: Band 11 (may include an audition)

STRING ORCHESTRA 12 (FA)(AS) (Linear) (MMUOR12)

Students will continue the course studies outlined in Strings 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.

Recommendation: String Orchestra 11 (may include an audition)

JAZZ BAND 10 (FA) (AS) (Linear) (MMUJB10)

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.

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

Note: Students registered in Jazz Band 10 must also be registered (or at teacher's discretion) in a large ensemble (Concert Band, Concert Choir or String Orchestra) appropriate to their grade level.

JAZZ BAND 11 (FA)(AS) (Linear) (MIMJB11)

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

Note: Students registered in Jazz Band 11 must also be registered (or at teacher's discretion) in a large ensemble (Concert Band, Concert Choir or String Orchestra) appropriate to their grade level.

JAZZ BAND 12 (FA)(AS) (Linear) (MIMJB12)

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 in both this ensemble as a soloist and section leader.

Note: Students registered in Jazz Band 12 must also be registered (or at teacher's discretion) in a large ensemble (Concert Band, Concert Choir or String Orchestra) appropriate to their grade level.

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, performances, including festivals as part of the course expectations.

CONCERT CHOIR 10 (FA)(AS) (Linear) (MMUCC10)

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 pop - along with the development of musicianship skills. Students will have many performance opportunities through school concerts, festivals and trips.

CONCERT CHOIR 11 (FA)(AS) (Linear) (MCMCC11)

Choral 11 is a continuation of Choral 10, designed for students who would like more in- depth study in choral repertoire and also for those who have not taken a choir course before. This course will include instruction in vocal technique, along with sight-singing and ear-training. Choral genres from the Renaissance to pop will be explored. Performance opportunities will be provided throughout the year. Previous choral experience is preferred but is not required.

CONCERT CHOIR 12 (FA)(AS) (Linear) (MCMCC12)

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

VOCAL JAZZ 10 (FA)(AS) (Linear) (MMUVJ10)

This is an additional elective that occurs outside the timetable. Vocal Jazz 10 is a course for the intermediate/advanced singer who wants an opportunity to learn other musical styles and challenging repertoire. This course focuses on specific vocal production, close harmony singing, microphone technique, jazz styles and the history and context of the jazz tradition. **Students will be expected to sing "one on a part" and to perform solo in their audition for this course.**
Note: Students registered in Vocal Jazz 10 must also be registered (or at teacher's discretion) in a large ensemble (Concert Band 10, Concert Choir 10 or String Orchestra 10) appropriate to their grade level.

VOCAL JAZZ 11 (FA)(AS) (Linear) (MCMJV11)

This is an additional elective that occurs outside the timetable. Vocal Jazz 11 is a course for the intermediate/advanced singer who wants an opportunity to learn other musical styles and challenging repertoire. As an extension of Vocal Jazz 10, this course focuses on specific vocal production, close harmony singing, microphone technique, jazz styles and the history and context of the jazz tradition. **Students will be expected to sing "one on a part" and to perform solo in their audition for this course.**
Note: Students registered in Vocal Jazz 11 must also be registered (or at teacher's discretion) in a large ensemble (Concert Band 11, Concert Choir 11 or String Orchestra 11) appropriate to their grade level.

VOCAL JAZZ 12 (FA)(AS) (Linear) (MCMJV12)

This is an additional elective that occurs outside the timetable. Vocal Jazz 12 is a course for the advanced singer who wants an opportunity to learn other musical styles and challenging repertoire. As an extension Vocal Jazz 10/11, this course focuses on specific vocal production, close harmony singing, microphone technique, jazz styles and the history and context of the jazz tradition. **Students will be expected to sing "one on a part" and to perform solo in their audition for this course.**
Note: Students registered in Vocal Jazz 12 must also be registered (or at teacher's discretion) in a large ensemble (Concert

Band 12, Concert Choir 12 or String Orchestra 12) appropriate to their grade level.

GUITAR 10 (FA)(AS) (Semester) (MMUGT10)
GUITAR 11 (FA)(AS) (Semester) (MIMG-11)
GUITAR 12 (FA)(AS) (Semester) (MIMG-12)
***Students: choose the course number that corresponds with your grade.**

This is a course designed for the beginner, intermediate or advanced guitar student. This course teaches beginner basic chords, strumming, picking and how to read music and tab. Students will learn many songs in order to apply their learning. The intermediate and advanced students will learn barre chords and more advanced music and accompaniment styles. All levels will participate in small group/combo playing along with learning various styles of repertoire. The school will supply guitars and music for classroom use.

MUSIC COMPOSITION AND PRODUCTION 11 (FA)(AS) (MMUCP11)
MUSIC COMPOSITION AND PRODUCTION 12 (FA)(AS) (MMUCP12)
(Semester)
No previous training in Music is required. This course provides an opportunity to create, record and learning through the use of traditional methods and audio digital equipment, computers and software. You will have opportunities to design, create, edit and record your music – no music experience needed. This is a hands-on course with a variety of opportunities in writing music, songwriting, beats, cover, soundtrack writing for film, plus so much more. Throughout the course you will design and create your own portfolio for publication at the end of the semester. Many of the items taught in the Recording Arts and Science 9-12 are delivered in this course.

INTRO TO SINGING 11 (VOCAL TECHNIQUES) (FA)(AS) (MMUCH11)
INTRO TO SINGING 12 (VOCAL TECHNIQUES) (FA)(AS) (MMUCH12)
(Semester)
This is NOT a choir course. This course is designed for students who enjoy singing and who want to learn proper vocal technique (which applies to all styles of vocal music, from pop to musical theatre). The course will include group instruction, grounded in good, technical singing that can be applied to any singer as good singing is a learned skill. Prerequisite: None

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.

PHE 10 (MPHED10)
PHE 10 is part of the K-12 curriculum and is designed to develop educated citizens who have the knowledge, skills, and understanding that they need to be safe, active, and healthy citizens throughout their lives. The PHE curriculum focuses on competencies that support life-long learning and health through activity and fitness. Students will participate in a variety of individual, partner and group activities that emphasize lifelong activity and the importance of adopting an active lifestyle. Health topics also include healthy relationships and nutrition, and well as CPR.

ACTIVE LIVING 11 & 12 (MACLV11/12)
This senior level physical education course emphasizes the development of an appreciation for physical activities to promote lifelong activity and health. Students will participate in a wide variety of team sports and recreational activities in order to

further their understanding of the importance of physical movement for overall health, as well as developing leadership skills through activity design, organization, and implementation.

WEIGHT TRAINING 10 (YLRA-0A)
FITNESS AND CONDITIONING 11, 12 (MFTCD11/12)
This co-ed course will help prepare students to lead healthy lifestyles now and after they leave high school. Weight training as well as the development of muscular strength and endurance is the focus. Students will improve muscle function, muscular endurance, balance, coordination, speed, and agility. While work in the weight room will be the primary focus, other activities will include running, hiking, minor and team games. This class will help build a strong, healthy body and build confidence. Students will learn to perform athletically and reduce the risk of injury. Classroom lessons will supplement the training sessions with valuable health and fitness information on such topics as nutrition, anatomy and physiology designs, and other health topics.

WOMEN'S FITNESS 10, 11 & 12 (MFTCD11—G, MFTCD12—G)
These courses are designed to encourage both active and non-active teenage girls to participate in a wide variety of fun-filled fitness and recreational activities in a positive and supportive environment. No matter what your fitness level currently is the focus will be to work to the best of your ability. The class will consist of personal and group fitness as well as building positive self-esteem and confidence. Numerous training programs will be utilized including yoga, weight training, circuit training, high intensity interval training (HIIT), running, walking, hiking etc. Students will learn how to be active and create and design workouts with and without access to equipment. Throughout this course students will also have opportunities to explore issues relating to women in sport, recreation, health & fitness.

AGILITY 10 (Semester 1) (YLRA-0C)
AGILITY 11 and 12: FITNESS AND CONDITIONING (MFTCD11—A, MFTCD12—A)
These co-ed courses are designed for athletes who wish to develop sport specific fitness and skills. Students will focus on a variety of activities such as plyometrics, interval training, running, and weight training as they relate to their chosen sport. 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. Course typically runs during block 1 but may also occur during block 0 (6:45-8am).

BASKETBALL AGILITY 10 (Semester 1) (YLRA-0C)
BASKETBALL AGILITY: FITNESS AND CONDITIONING 11 and 12 (MFTCD11-BG, MFTCD12-BG)
These co-ed courses are designed for athletes who wish to develop sport specific fitness and skills. Students will focus on a variety of activities such as plyometrics, interval training, running, and weight training as they relate to the game of Basketball. 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 with an emphasis on Basketball and developing your overall game. Time is split between the gym and fitness areas. Course runs during either block 1 or block 0 (6:45-8am)

ATHLETIC TRAINING (AT) 10 (Semester 2) (YLRA-0B)
ATHLETIC TRAINING 11 & 12: OPTIMIZING ATHLETIC PERFORMANCE (Semester 2) (YLRA-1C, YLRA-2C)
This co-ed course is designed for students who are motivated to significantly improve their functional strength and endurance. Special emphasis will be placed on balance, coordination and efficiency of movement in sport as well as ways to improve personal speed, agility, and quickness. Students should expect to be in the weight room at least two times perweek. Training sessions will help decrease body fat and increase lean body mass. Classroom sessions will provide valuablehealth and fitness information on such topics as proper meal planning for athletes, hydration practices, and ways to improve recovery following strenuous activities. Other fitness activities may include running, hiking, plyometrics, minor games, and team games. Course typically runs during block 1 but may also occur during block 0 (6:45-8am).

BASKETBALL ATHLETIC TRAINING (AT) 10 (Semester 2) (YLRA-0B)
BASKETBALL ATHLETIC TRAINING 11 & 12: OPTIMIZING ATHLETIC PERFORMANCE (Sem 2) (YLRA-1C-BA, YLRA-2C-BA)
This co-ed course is designed for students who are motivated to significantly improve their functional strength and endurance. Special emphasis will be placed on balance, coordination and efficiency of movement with the focus on Basketball as well as ways to improve personal speed, agility, and quickness. Students should expect to be in the weight room at least two times perweek and the in the gym for the other portion of the course. Course runs during either block 1 or block 0 (6:45-8am).

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

OUTDOOR EDUCATION 11 & 12 (MODED11; MODED12) *NEW COURSE*
This course focuses on building competence in outdoor activities as a way to boost confidence and foster lifelong engagement. Students will work collaboratively in a range of outdoor settings, applying effective communication skills in their interactions. They will also practice and demonstrate appropriate responses to potential emergencies that may arise during activities such as canoeing, hiking, and winter travel. Emphasis is placed on personal responsibility for safety, as well as safeguarding others, while learning to assess and manage risks across diverse outdoor environments. Through these experiences, students will gain valuable opportunities to cultivate and showcase leadership abilities.

SCIENCE

SCIENCE 10 (MSC10)
Science 10 is a survey course designed to familiarize students with the major branches of science while providing the basic scientific pre-requisites to prepare for Senior Science courses. In the Physics unit, we explore basic kinematics, energy types and transformations, and conservation of energy. In Chemistry, we study compound formation, chemical reactions and conservation of mass. Life Sciences focuses on DNA, genetics, patterns of inheritance, evolutionary trends and mutations. Earth Science portion explores the formation of the Universe, star life cycle and properties, as well as technology associated with our current understandings.

SCIENCE FOR CITIZENS 11 (FORMERLY: SCIENCE AND TECHNOLOGY 11) (MSCCT11)
This course concentrates on past, present and future applications of science in our society. The core areas include the nature and interaction of Science and Technology as well as computers and Information Technology. Optional modules include Resource Management, Environmental Planning, Medicine, Health, Criminal Investigation, Construction and Transportation. **Note:** This course fulfills the Science 11 requirement for graduation but not for university entrance.

LIFE SCIENCES 11 (FORMERLY: Biology 11) (MLFSC11)
Life Sciences 11 is the basis of most post-secondary first-year Biology courses. This course focuses on the variety of living organisms found on Earth including bacteria, fungi, plants, and animals. Life Sciences 11 also examines Evolution, Ecology, and the foundations of Cell Biology, which is continued in Anatomy and Physiology 12. Life Sciences 11 is an activity-based course and requires a willingness to work both independently and in groups. Labs, dissections, and microscope use are an integral part of the course and are essential for biology labs in grades 11 and 12. Molecular and cellbiology, life processes, and evolution of body systems provide a basis of foundational knowledge for Anatomy and Physiology 12.

ANATOMY AND PHYSIOLOGY 12 (FORMERLY: Biology 12) (MATPH12)

Anatomy and Physiology 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. Biochemistry in this course is based on foundational information learned in Chemistry 11. This 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 this course are taught in Life Sciences 11.

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

CHEMISTRY 11 (MCH—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 lessons and discussions, experiments and demonstrations will provide the basis for developing key concepts. **Recommendation: C+ or better in Science 10 and Foundations/PreCalculus Math 10**

CHEMISTRY 12 (MCH—12)

This course is a detailed study of chemical concepts which will enable a student to gain a more useful perspective of chemistry and its relationship to industrial and environmental processes. The topics of

reaction kinetics, equilibrium, acids/bases and oxidation will be covered through group discussions, projects and laboratory experiments.

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

EARTH SCIENCE 11 (MESC-11)

Earth Science 11 is a course designed to familiarize students with the geoscience world. Students will be given the opportunity to apply their knowledge of the physical constitution of the earth, its atmosphere and geoscience processes to interpret geologic situations from both a global and local perspective. Earth Science studies the various processes that have shaped and formed our amazing planet. Main topics include geology (rocks, minerals, resources and mining), plate tectonic processes (tectonic plate interactions, earth's interior, earthquakes, volcanoes), atmosphere science (weather, climate and climate change), and astronomy (origins of Earth, our solar system and the universe beyond).

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

GEOLOGY 12 (MGEOL12)

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

PHYSICS 11 (MPH—11)

Physics 11 introduces students to the scientific study of the physical world. In this course, students will study motion, forces, energy and waves which build on each other and are interconnected. Students will be asked to use algebra, graphing, reasoning and logic to investigate and consider different real-world scenarios. Emphasis is put on both theoretical understanding as well as mathematical analysis.

It is required for students to have a strong foundation in Algebra as it is an essential tool for success in the study of Physics. Physics 11 relies heavily on Mathematics 10 content such as: slope, algebra, and trigonometry. Therefore, a B or higher in Math 10 is recommended when possible. Taking Math 11 before or concurrently with Physics 11 will improve student application of mathematics.

Note: Students should own a scientific calculator.

Pre-Requisite: Foundations of Math and Pre-Calculus 10 with strong algebra and graphing skills (as Physics 11 relies heavily

on Mathematics 10 content and concepts)

PHYSICS 12 (MPH—12)

Physics 12 builds on the rigorous and diverse application of Mathematics on the conceptually challenging learning of Physics 11. Topics include the Laws of Circular Motion, Torque, the Conservation of Momentum, Electromagnetic Phenomena, and Special Relativity which build on each other and are all interconnected. It is required for students to have a strong foundation in Algebra as it is an essential tool in the study of Physics.

Note: students should own a scientific calculator, a ruler, and a protractor

Recommendation: It is necessary for students in Physics 12 to have a solid understanding of Physics11/Math 11 concepts

SCIENCE CO-OP 11

This program is for grade 11 students interested in exploring science-related careers and doing enrichment activities to extend science concepts learned in the regular curriculum. Students must have an interest to be in the outdoors (camping, hiking, kayaking, snowshoeing, etc.). A large proportion of our studies will take place outside of the classroom. In the second semester of grade 11, as a cohort, students will take Chemistry 11 (CO-OP), Life Sciences 11 (CO- OP), Active Living 11 (outdoor recreation), Leadership 11 (outdoor/environmental), and Work Experience 12. This will allow for a greater amount of hands-on experience through field trips and full time work experience (3 weeks out of the school) without having to miss other classes. Students are required to be available on some evenings and weekends. To be eligible, students need a B or higher in Science 10 and to have demonstrated strong work habits. It is strongly recommended that students take an academic grade 11 course in the 2nd semester of their grade 10 year where possible.

****There is an application process in place for this program (teacher approval and interview).**

ENVIRONMENTAL SCIENCE 12 (MEVSC12)

Environmental issues are becoming increasingly relevant to all our lives. This course provides you with the fundamental knowledge and skills that will help you understand the environmental events that are happening in the world around you, such as climate change, flooding, forest fires and drought. We will explore a range of topics, including diverse ecosystems, natural processes, human impacts, sustainability, as well as stewardship and habitat restoration. You will have hands-on opportunities for fieldwork in our own gardens, Bert Flynn Park, as well as other local habitats. We will connect with community mentors and engage with First Peoples perspectives and other Traditional Ecological Knowledge. Emphasis is placed on relevant, practical applications and current topics in environmental science, with attention to the refinement of students' scientific, mathematical and environmental literacy. Both Gr. 11 and 12 students are welcome in this course.

SOCIAL STUDIES

SOCIAL STUDIES 10 (MSS—10)

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

COMPARATIVE CULTURES 12 (MCMCL12)

Comparative Cultures 12 gives students an understanding of the values, beliefs, and accomplishments of past civilizations. We will examine how interactions between belief systems, social organization, and language influence artistic expressions of culture, how Geographic and environmental factors influenced the development of agriculture, trade, and increasingly complex cultures, and how value and belief systems shape the structures of power and authority within a culture. This is a liberal arts course designed to facilitate a student's quest for knowledge, understanding and awareness of various civilizations throughout the world, as well as the contributions and influences these civilizations have made to the present

human experience. Possible areas of investigation include: Mesopotamia, Ancient Egypt, Indus River Valley, Chinese, Maya, Aztec, Incan, and Greek civilizations, the Roman Empire, Middle Ages, and the Renaissance.
Note: Access to a laptop computer is highly recommended.

BC FIRST PEOPLES 12 (MBCFP12)
BC First Peoples 12 focuses on the richness and diversity of First Peoples 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. Possible topics may include but are not limited to: cultural worldviews, significance of language, impacts of colonization, rights, relationships with geography, as well as traditional and contemporary political systems.

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

HUMAN GEOGRAPHY 12 (MHGEO12)
Human Geography 12 explores demographic patterns and population distribution, which influence physical features and natural resources on a global scale. Human activities alter landscapes in a variety of ways which directly affect standards of living and quality of life. Specific course topics include alternate energy resources, environmental challenges, land use issues, and climate change implications to name a few. We will also be exploring sustainability issues as they are the basis of the relationship between natural resources and patterns of population settlement. This course will explore all of these topics through a variety of assessment methods, such as projects, presentations, and debates.

LAW STUDIES 12 (MLST-12)
This course provides a comprehensive look into Canadian law and the legal process. It builds upon the concept of "citizenship" begun in Socials 10. It is ideal for students interested in Canadian news, current affairs, politics, and social issues. In addition to discussing the basic components and foundations of our legal system, the course will explore some of the significant issues facing Canadians and how the law connects to these issues. Other broad topics include: the Canadian Charter of Rights and Freedoms, Criminal Law, Civil Law and Family Law.

PHILOSOPHY 12 (MPHIL12)
Philosophy is a discipline that examines the fundamental nature of knowledge, reality, and existence. This course will examine influential philosophical questions through the development of tools for investigating meaning, reasoning, and understanding of different ways of thinking. Students will explore ideas that ask questions such as: "what is real, how can anything be known, what is the nature of the universe, what is good and evil, and is there a meaning of life?"

PHYSICAL GEOGRAPHY 12 (MPGEO12)
Physical Geography 12 can be simply described as the study of the earth. The theme of this course reflects the interactions between the 4 spheres (lithosphere, hydrosphere, biosphere, and atmosphere), how human actions impact the 4 spheres, and how the 4 spheres affect humans. Aspects of this course include topics such as plate tectonics (ex. volcanoes and earthquakes), geology, meteorology (ex. weather and climate), glaciation, and hydrology. How humans interact with the 4 spheres (ex. resource use and the impact on the environment/sustainability issues) will be an integral part of the course.

POLITICAL STUDIES 12 (MPLST12)
Political Studies 12 focuses on power in relationships between individuals, group and the government. This course will improve your critical-thinking and communication skills and will enable you to develop and support informed opinions about current events and political issues. It focuses on political ideologies, government, media and ethics. It provides students with opportunities to voice their opinions, participate in simulations, and debate with others on current matters – local to global. Upon completion, students will be more informed and capable citizens better equipped to make a

difference in our community, nation, and world. A unique feature of this course is the use of an award-winning simulation game called The Civic Mirror. **Note: Use of a laptop computer is required in this course. If students do not have access to one, the school may be able to assist.**

PSYCHOLOGY 12 (BAA) (YPSYC2A)
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.
***This course does not meet the Social Studies 11/12 requirement for graduation.**

AP PSYCHOLOGY 12 (APSY-12)
The AP Psychology course is designed to introduce students to the systematic and scientific study of human behaviour and mental processes. This course is recommended for those students who have an interest in a comprehensive studyof the breadth and depth of psychology and may wish to pursue it further at a post-secondary institution. This course focuses on developing student skills that include: critical thinking, essay writing, research and experimentalmethods, academic reading, and oral presentation skills. The AP exam will be written in May and successful completion will result in University credit at accredited AP institutions. This is an approved secondary course that may be used for admission GPA calculation.
***This course does not meet the Social Studies 11/12 requirement for graduation.**

SOCIAL JUSTICE 12 (MSJ-12)
This course comprises 3 main elements of investigation: defining social justice, recognizing and analyzing social injustice, and moving toward a socially just world. Students examine social perspective using approaches drawn from the social sciences and philosophy. Students will do an analysis of historical and contemporary situations that will give them a broad perspective of social injustice, in Canada and globally. A key component of this course is a student-created social justice action plan, encouraging students to design ways to effect social change effectively and responsibly. Engaging in responsible personal and social action encourages community membership and collective responsibility for the wellbeing of all members of that community.

TECHNOLOGY EDUCATION

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

CONSTRUCTION COURSES

WOODWORK 11 (AS) (MWWK-11)
Woodwork 11 is all about taking your woodworking skills to the next level in a fun and exciting way! Dive deeper into the world of joinery, machine operations, and hand tool techniques. Explore and perfect the use of shop jigs and production methods, getting ready for even more thrilling advanced projects such as advanced cutting / charcuterie boards, lathe turned bowls, benches, stools, chairs, jewelry boxes, and so much more! Students will learn to perfect their woodworking craft through class projects, as well as opportunities for passion projects. Woodwork 11 is the perfect blend of learning and hands-on fun, making it the ultimate course for aspiring woodworkers!
***Projects are based on previous woodworking experience and are open to various skill levels.**

WOODWORK 12 (AS) (MWWK12)
Woodwork 12 is an exciting journey into advanced woodworking. Students will master joinery, machine operations, and hand tool techniques while exploring CNC machines, laser cutters, and epoxy resin. This course blends tradition with cutting-edge

technology, allowing students to work on class projects as well as create their own unique passion projects. Some potential projects include wood inlays, chessboards, chess pieces, end tables, hockey sticks, and more! Perfect for aspiring master woodworkers ready to push the boundaries of creativity and innovation.
***Projects are based on previous woodworking experience and are open to various skill levels.**

SKILLS EXPLORATIONS 11/12 (AS) (MSTX-1A/2A)
Students can take this course in Grade 10, 11 or 12. Students learn trades skills and earn credit towards secondary school graduation. This course allows students to explore trades careers. Trades covered include Electrical, Plumbing, Carpentry plus one other trade area. This course will help students choose one of the many "Train in Trades" programs offered by the School District, or help them transition to one of the Trade Programs offered at Post-Secondary once they have graduated. This class is a great way to get exposed to a variety of careers in the trades.

DRAFTING & DESIGN COURSES

DRAFTING 11 (AS) (Open to all Grade 10, 11 & 12 students) (MTDRF11)
Drafting 11 is a dynamic course for students who love to think outside the box and bring their ideas to life. Covering the basics of Design and Drafting, both by hand and on the computer, this course teaches essential skills for designing and building innovative solutions. Students will engage in hands-on projects, creating drawings, presentations, scale models, design illustrations, and 3D prints. The course explores diverse design principles, from architecture to graphics, and encourages collaborative learning. The skills gained are fun and highly relevant to various fields and everyday life. Drafting 11 is an adventure in design, turning creative ideas into reality.
***Recommended that students bring their own laptops capable of running AutoCAD and Fusion 360.**

DRAFTING 12 (AS) (Open to all Grade 11 & 12 students) (MTDRF12)
Drafting 12 is an advanced course for students eager to deepen their understanding and skills in specialized areas of Design, including architectural design, industrial design, computer numerical control (CNC), and much more. This course encourages students to work with real design challenges, allowing them to choose projects that align with their passions and interests. Additionally, students can use this course to prepare their Design portfolios for post-secondary education. Drafting 12 is the perfect opportunity to take creativity and technical skills to the next level, making it an essential step for aspiring designers.
***Recommended that students bring their own laptops capable of running AutoCAD and Fusion 360.**

TECHNOLOGY COURSES

COMPETITIVE ROBOTICS 1 (ROBOTICS 11) (MTRBOB11)
COMPETITIVE ROBOTICS 2 (ROBOTICS 12) (MTROB12)
COMPETITIVE ROBOTICS 3 (MECHATRONICS 12) (MTMEC12)

This is a fast-paced, project-based course where students work in teams to build robots for the VEX Robotics Competition. It's an excellent opportunity to develop engineering, programming, problem-solving, and communication skills in a supportive environment, while also experiencing the excitement of a high-pressure, competitive atmosphere. Students are expected to commit at least 3 hours per week after school to work on their robots and attend 1-2 Saturday tournaments.
(Open to Grade 10, 11 & 12 students)
****Course Fee**: $250**
****Application Required**: Students must complete an application process to be accepted into the course.**

ENGINEERING, ROBOTICS & MANUFACTURING LEVEL 1 (ENGINEERING 11) (MENR-11)
Dive into the world of engineering, design, and manufacturing in this hands-on, problem-based course! Students will explore the core principles that are essential for success in these exciting fields, tackling a variety of real-world inspired challenges through practical projects. Potential projects include building towers, designing bridges, creating gravity race cars, launching air rockets, building tethered electric airplanes, programming autonomous vehicles, and constructing sumo robots. This course

offers the perfect introduction to engineering and manufacturing, with no previous experience required—just a passion for problem-solving and innovation!
If you enjoyed robotics but don't want to commit to Competitive Robotics, this is the course for you!

ENGINEERING, ROBOTICS & MANUFACTURING LEVEL 2 (ENGINEERING 12) (MENR-12)
Build on the skills you learned in Level 1 as you dive deeper into the world of engineering, design, and manufacturing in this hands-on, problem-based course! Students will expand on core principles and tackle more advanced challenges, applying their knowledge to even more complex projects. Through industry-inspired tasks, students will work on projects like designing and building towers and bridges, creating gravity race cars, launching air rockets, developing autonomous vehicles, and programming sumo robots. This course provides a perfect opportunity for students looking to take their engineering and manufacturing skills to the next level, with no prior experience required.
If you enjoyed robotics but don't want to commit to Competitive Robotics, this is the course for you!

METALWORK & ART METAL 11 (AS) (Open to Grade 10, 11 & 12 students) (MTMET11)
An exciting hands-on course that explores many aspects of designing and working with different types of metal. Students will make cool projects while learning techniques that include: welding, cutting, shaping, casting, heat-treating, fastening, etc. using both hand tools and power tools. Students may provide their own materials for advanced project work.

METALWORK & ART METAL 12 (AS) (Open to Grade 11 & 12 students) (MTMET12)
Designed for students who wish to further explore and advance their metalworking skills and experience. Students are encouraged to design and build more personalized passion projects while improving their metalworking techniques. Students may provide their own materials for advanced project work.

BICYCLE MAINTENANCE AND REPAIR 11 (YMR—1A) *NEW COURSE*
To introduce students to fundamental techniques used in the repair & maintenance of bicycles. Proper use of the various bicycle tools required to repair & maintain bikes. Learn rules of cycling on the road, bike handling & traffic skills. Once bike safety, repair & maintenance are covered, students will participate in supervised bicycle rides in the community. If time permits, to build custom frames & service bikes & sell them within the community to address the entrepreneurial possibilities.

FISHING AND WILDLIFE 11 & 12 (YLRA-1F) *NEW COURSE*
Fly Fishing 11 is designed to promote the lifelong pursuit of personal wellness and appreciation of nature through exposure to a variety of outdoor activities and conservation efforts. Students will develop the skills and knowledge to fish, care for their equipment, preserve the environment, engage in local cultures and appreciate the aesthetic value of various outdoor settings.

THEATRE

THEATRE COMPANY 10, 11, 12 (MDRTC10,11,12)
This is the course for students wishing to perform a class show. Students develop ensemble and acting skills in a safe, supportive environment, then choose, rehearse and perform a class show for a publicaudience. All necessary skills are taught and practiced, and casting is done collaboratively to ensure student comfort and success. There's nothing like the thrill of owning the stage.

DRAMA 10, 11, 12 (MDRM-10,11,12)
Students learn acting and performance theory and skills. They do not perform a public show at the end of this course. Improv, stage combat, movement, scene study, mask, relaxation, concentration, on camera acting, communication, monologues and audition skills are some of the areas of study. This is an excellent introductory course and supplements the Theatre Company course.

DIRECTING & SCRIPT DEVELOPMENT 11/12 (FA) (MDRDS11/12)

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

MUSICAL THEATRE 10, 11 & 12 (BAA) (MMUTH10/11/12)

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 3:30-5 pm and performance evenings.

THEATRE PRODUCTION 10: (FA/AS) (MDRD-10)

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

THEATRE PRODUCTION 11: (FA/AS) (MDRTP11)

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

THEATRE PRODUCTION 12: (FA/AS) (MDRTP12)

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

WORK EXPERIENCE: ACTING AND FILM (MWEX-2AFA)

Students will participate in a high quality film by a film industry professional collaborating with a HWSS acting teacher. Students get real on-set experience as well as learning film acting techniques, audition skills, how to get an agent, headshots, and what to do when you book a role. Students already working in the industry will be given support and time to film their self-tapes and their work experiences can form part of their coursework. Students are guaranteed to have lots to do as background performers and will audition for lead roles.

This course is open to Grade 10, 11, 12 students, and takes place outside the timetable with flexible hours to accommodate production schedules. Students are required to fill out the work experience paperwork.

WORK EXPERIENCE

WORK EXPERIENCE 12A (MWEX2A)

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 (MWEX2B)

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 (iwi)

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

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

“Youth **TRAIN** in Trades” Programs

visit **43Careers.com** or email **Ben King** (**BKing@sd43.bc.ca)**

Trade Name	Program Details				
	Usually taken in	**Student Cost**	**Length, Intakes & High school Credits**	**Location of Program**	**Pre-requisites**
Aircraft Maintenance Engineer (Cat “**M**”)	Grade 12	≅ $600	Intakes: Aug, Jan + May 16 weeks (16 credits)	BCIT - Richmond (near South Terminal airport)	▪ Full completion of grade 11 + plan for Eng 12 ▪ Auto 11 and ideally Auto 12 (or related experience) ▪ Physics 11 ▪ any Math 11 (C+) ▪ pass: BCIT Mechanical Reasoning Assessment
Appliance Service Technician	Grade 12	≅ TDB	Intakes: Sept + Apr 39 weeks (40 credits)	KPU - Cloverdale	▪ Full completion of grade 11 + plan for Eng 12 ▪ Electricity 10, 11 or 12 or a Robotics class ▪ Chemistry 11 and/or Physics 11
Automotive Service Technician	Grade 12	≅ $400	Intake: Feb all of semester 2 (16 credits)	Centennial	▪ Full completion of grade 11 + plan for Eng 12 ▪ any Math 11 (C+) ▪ Auto 11 and Auto 12 (C+), **or** Auto 11 (B) and Physics 11
Auto Collision & Refinishing Tech	Grade 12	≅ $1,800	Intakes: Sept + Feb VCC – 35 weeks (28 credits) BCIT – 40 weeks (32 credits)	VCC – Broadway BCIT – Burnaby	▪ Full completion of grade 11 + plan for Eng 12 ▪ any Auto 11 class (recommended) ▪ any Metal/Weld class (helpful, not necessary)

Baker	Grade 12	≅ $2,200	Intake: mid-July to mid-Dec 23 weeks 24 credits	VCC - Downtown	▪ Complete gr 11 ▪ VCC questionnaire + short PowerPoint portfolio ▪ Food Safe Level 1 (certified before intake date)
Cabinet Maker (Joiner)	Grade 12	≅ $700	Intakes: Aug, Oct + Mar 25 weeks (28 credits)	BCIT - Burnaby	▪ Full completion of grade 11 + plan for Eng 12 ▪ any Math 11 (C+) ▪ Wood 11 **and** Wood 12
Carpenter	Grade 12	≅ $450	Intake: Feb all semester 2 (16 credits)	Terry Fox and BCIT – Burnaby (6 wks)	▪ Wood 11 (and ideally Wood 12) ▪ any Math 11 (C+) ▪ Drafting + Design 11 (recommended)
Professional **Cook**	Grade 12	≅ $400	Intake: Feb all semester 2 (16 credits)	Gleneagle or Centennial	▪ Cook Training 11 **and/or** 12 or Foods & Nut. 11 and/or 12 (ideally two or three of them) ▪ Food Safe Level 1 (certified before intake date)
Construction **Electrician**	Grade 12	≅ $350	Intake: Sept all semester 1 (16 credits)	Dr. Charles Best	▪ Full completion of grade 11 ▪ Math 11: Found / Pre-Calc (C+) **or** Workplace (B) ▪ Physics 11 ▪ any Tech Ed 10-12 course
Hairstylist	Grade 12	≅ $3,000	Intakes: Sept, Oct, Jan, Mar + May 40 weeks (40 credits)	VCC - Downtown	▪ Full completion of grade 11 + plan for English 12
Heavy Duty Mechanic	Grade 12	≅ $1,800	VCC Intakes: Sept + Feb BCIT: Sept, Oct, Feb, Apr, May + June 36 weeks (28 credits)	VCC - Broadway BCIT - Burnaby	▪ Full completion of grade 11 + plan for Eng 12 ▪ any Math 11 (B) ▪ Auto 11 (B) **and** Auto 12 (B)
Ironworker	Grade 12	≅ $400	Intakes: Jan (first week) + July 23 weeks (20 credits)	BCIT – Burnaby	▪ Full completion of grade 11 + plan for Eng 12 ▪ Metal/Weld 11
CNC- **Machinist**	Grade 12	≅ $1,300	Intake: Sept + Jan (first week) 25 weeks (24 credits)	BCIT – Burnaby	▪ Metal 11 and/or Wood 11 ▪ Basic knowledge of Fusion 360 software ▪ Pass: BCIT Math Trades Entry Assessment
Landscape Horticulturist	Grade 12	≅ $650	Intake: Feb 6 weeks (8 credits)	KPU – Langley	▪ Any Math 11 (C+) ▪ Any Science 11 ▪ Interest in working with plants and landscapes

Marine Mechanical Tech	Grade 12	≅ $500	Intakes: Sept + Feb 26 weeks (28 credits)	BCIT – Annacis Island	▪ Full completion of grade 11 + plan for Eng 12 ▪ Auto, Metal **and/or** Electricity (recommended) ▪ any Math 11 (C+)
Metal Fabricator	Grade 12	≅ $400	Intakes: Sept + Feb 23 weeks (20 credits)	BCIT – Burnaby	▪ Full completion of grade 11 + plan for Eng 12 ▪ Metal/Weld 11 (and ideally Metal/Weld 12) ▪ any Math 11 (C+)
Millwright	Grade 12	≅ $1,200	BCIT Intakes: Sept + Feb KPU Intake: Feb 24 weeks (24 credits)	BCIT – Burnaby KPU - Cloverdale	▪ Full completion of grade 11 + plan for Eng 12 ▪ Math 11: Found / Pre-Calc (C+) **or** Workplace (B) ▪ at least one Tech Ed 11-12 course
Motorcycle Mechanic	Grade 12	≅ $500	Intakes: Sept + Feb All sem 1 or all sem 2 (16 credits)	BCIT - Burnaby	▪ Full completion of grade 11 ▪ Auto 11 **or** related experience
Commercial **Painter**	Grade 11 or 12	≅ $0	Intake: mid-June 6 weeks (8 credits)	Fin. Trades Inst. - Surrey	▪ Full completion of grade 11 ▪ English 11 **or** 12
Parts Technician	Grade 12	≅ TDB	Intake: March 20 weeks (20 credits)	KPU – online	▪ Full completion of grade 11 (including Eng 12) ▪ Good organizational and time mgmt. skills ▪ Accounting 11 (recommended)
Plumber	Grade 12	$0	Intake: start of Sem 2 – mid-July 24 weeks 24 credits	Gleneagle (potentially some weeks at BCIT)	▪ any Math 11 (C+) ▪ recommended: any Tech Ed 10-12 course
Refrigeration Mechanic	Grade 12	≅ $900	Intake: Sept 25 weeks (24 credits)	BCIT – Burnaby	▪ Full completion of grade 11 + plan for Eng 12 ▪ Physics 11 ▪ Chem 11 and Math 12 (strongly recommended) ▪ Electricity (recommended) ▪ Pass: BCIT Mechanical Reasoning Assessment
Security Systems Technician	Grade 12	≅ $1,100 plus tools	Intakes: November + April 28 weeks (28 credits)	BCIT – Burnaby	▪ Full completion of grade 11 + plan for Eng 12 ▪ "Security Worker License" (prior to being accepted)

					▪ any Math 11 (C+)
Sheet Metal Worker	Grade 12	≅ $400	Intakes: Sept All semester 1 (16 credits)	BCIT – Burnaby	▪ Full completion of grade 11 ▪ any Math 11 (C+) ▪ Metal/Weld 11 (recommended)
Welder	Grade 12	≅ $800	BCIT Intakes: Aug, Sept, Nov, Jan + Mar PIC intakes: Sept, Jan + Mar both are 28 weeks (28 credits)	BCIT – Burnaby Piping Ind. Coll. (PIC) - Annacis Island	▪ Full completion of grade 11 + plan for Eng 12 ▪ any Math 11 (C+) ▪ Metal/Welding 11 (ideally Metal/Weld 12)

COQUITLAM OPEN Learning

2026-2027 COL 10-12 Program Offerings

online.sd43.bc.ca 604-936-4285
1432 Brunette Avenue, Coquitlam

COL offers an extensive list of Secondary online (continuous entry) options, including:

Grade 10 Academic	Grade 11 Academic	Grade 12 Academic	Unique/Blended Electives
8618 - Career Life Education (CLE) 10 8627 - Education Au Choix De Carrier Et De Vie 10 (French CLE 10) 8630 - French 10 8483 - Math 10 Foundations & Pre-Calc. 8656 - Math 10 Workplace 8645 - Physical and Health Education 10 8648 - Science 10 8649 - Social Studies 10 8622 - ** (ELA) Composition 10 8624 - ** (ELA) Creative Writing 10 8639 - ** (ELA) Literary Studies 10 8643 - ** (ELA) New Media 10 8652 - ** (ELA) Spoken Language 10 ***(ELA) English Language Arts 10 = 4 Credits*** (Requires 2 of the above 2-credit courses.)	8588 - Chemistry 11 8590 - Life Sciences 11 8591- Physics 11 (CLOC) 8593- Science for Citizens 11 (CLOC) 8623 - Composition 11 8625 - Creative Writing 11 8640 - Literary Studies 11 8644 - New Media 11 8653 - Spoken Language 11 8631 - French 11 (CLOC) 8633 - Introductory Japanese 11 (CLOC) 8636 - Japanese 11 (CLOC) 8634 - Introductory Mandarin 11 (CLOC) 8641 - Mandarin 11 (CLOC) 8635 - Introductory Spanish 11 (CLOC) 8650 - Spanish 11 (CLOC) 8576 - Accounting 11 (CLOC) 8657 - Math 11 Workplace 8629 - Math 11 Foundations 8646 - Math 11 Pre-Calculus 8612 - Explorations in Social Studies 11 (CLOC)	8617 - Anatomy and Physiology 12 8621 - Chemistry 12 8602 - Composition 12 (CLOC) 9523 - Contemp. Indigenous Studies (CLOC) 8626 - Creative Writing 12 8628 - English Studies 12 8581 - Spoken Language 12 (CLOC) 8607 - English First Peoples 12 (CLOC) 8619 - Career Life Connections 12 8632 - French 12 (CLOC) 8637 - Japanese 12 (CLOC) 8642 - Mandarin 12 (CLOC) 8608 - Calculus 12 (CLOC) 8584 - Math 12 Foundations (CLOC) 8647 - Math 12 Pre-Calculus 8651 - Spanish 12 (CLOC) 8482 - 20th Century World History 12 8595 - Geography 12 (Physical) (CLOC) 8594 - Law Studies 12 (CLOC) 8592 - Physics 12 (CLOC) 8579 - Tourism 12 (CLOC) 8598 - Child Dev. & Caregiving 12 (CLOC) 8578 - Food Studies 12 (CLOC) 8596 - Active Living 12 (CLOC) 8599 - Fitness and Conditioning 12 (CLOC)	8577- Career Life Education 12 (CLOC) - Adult Grad only 8654- Work Experience 12 *Youth Work in Trades* Formerly Secondary School Apprenticeship. Earn hours towards trade certification while gaining up to 4 high school courses. Go to: 43Careers.com **See links to all of our courses and register at Online.SD43.bc.ca** We also offer 'Fast Track' courses during summer. Blended programs from early July to mid August.

Three types of learning environments:

Online (Continuous Entry): flexible pacing, communication is predominantly via online tools.

Blended (Online blended): specific start/end dates, regularly scheduled face-to-face classes as well as working online.

CLOC (Adult Learning Center): continuous entry, online courses (a few paper-based), learning support hours, only for students 16+ or with permission.

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

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

Register at: Online.SD43.bc.ca Any issues registering, please call 604-936-4285 (When looking for a course, search using the 4 digit number before the course name.)