



WELLINGTON
SECONDARY SCHOOL

GRAD PROGRAM COURSE PLANNING GUIDE
GRADE 10, 11, 12
2019-2020

Wellington Secondary School

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Welcome to Wellington Secondary School.

The school's administration, counsellors and teachers hope that you will find the Course Planning Guide helpful as you plan your next year's educational program.

In selecting your courses of study, ensure that all prerequisites have been, or will be, satisfied. Give consideration as to how each course will be of benefit to your total program. Consider not only next year, but also subsequent years and ultimately what career or interests you may wish to pursue.

Your counsellors have the knowledge and expertise to assist you in the planning process. Consider their advice carefully when making decisions. Bear in mind that the final responsibility for selection of a suitable program rests with you and your parents. Students in Grades 10, 11 and 12 must choose courses which meet the minimum graduation requirements set forth by the Ministry of Education.

The staff at Wellington is readily available to assist you and your parents in any way we can. It is our goal to create a suitable educational climate, one that enables and encourages you to pursue excellence, experience success and realize your potential. Remember that regular attendance, punctuality, and good work habits are essential to success.

We look forward to working with you and best wishes for a successful school year.

Chad Lintott
Principal

Please note at the time of printing the information in this course calendar is believed to be correct. Changes that occur after printing will be communicated during course selection time and throughout the year as necessary.

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COURSE OFFERINGS

ENGLISH

Composition & Creative Writing 10
Composition & Literary Studies 10
Composition & New Media 10
Composition & Spoken Language 10
Creative Writing 11*
New Media 11*
Literary Studies 11*
English First Peoples and Spoken Lang 11*
English Studies 12
English First Peoples 12

SOCIAL STUDIES

Social Studies 10
20th Century World History 12
Asian Studies 12
BC First Peoples 12
Contemporary Indigenous Studies 12*
Human Geography 12*
Physical Geography 12*
Social Justice 12
Law Studies 12
Psychology 12

MATHEMATICS

Math 9/10 Connector*
Workplace Math 10
Foundations of Math and Pre-Calculus 10
Workplace Math 11
Foundations of Mathematics 11
Pre-calculus 11
Foundations of Math 12
Pre-calculus 12
Calculus 12

SCIENCE

Science 10
Life Sciences 11
Anatomy and Physiology 12
Chemistry 11
Chemistry 12
Physics 11
Physics 12
Earth Science 11
Environmental Science 11*
Engineering 12
Science for Citizens 11*

PHYSICAL EDUCATION

Physical & Health Education 10
Physical Education 11
Physical Education 12
Basketball 10
Basketball 11
Basketball 12
Fit For Life (Active Living) 10*
Fit For Life (Active Living) 11*
Fit For Life (Active Living) 12*
Fitness & Conditioning 10*
Fitness & Conditioning 11*
Fitness & Conditioning 12*

LANGUAGES

French 10
Introductory French 11
French 11
French 12
Spanish 10
Introductory Spanish 11
Spanish 11
Spanish 12
Hul'qumi'num 10/11/12*

ADST - INFORMATION & COMMUNICATION TECHNOLOGY

Media Design 10
Media Design 11
Digital Media Design 12
Computer Programming 11
Computer Programming 12
Multimedia Production 11*
Multimedia Production 12*

ADST – TECHNOLOGY EDUCATION

Electronics and Robotics 10
Drafting 10
Drafting 11
Drafting 12
Woodwork 10
Carpentry and Joinery 11
Carpentry and Joinery 12
Skills Exploration 10/11/12

ADST - HOME ECONOMICS

Interpersonal and Family Relationships 11
Child Development and Caregiving 12
Fashion Design 12
Textiles 10/11/12
Food Studies 10 - 12

Exploring Baking 11*
Exploring Culinary Arts 12*

ADST - BUSINESS EDUCATION

Accounting 11
Accounting 12
Entrepreneurship & Marketing 10
Marketing and Promotion 11
Graphic Production 12
Entrepreneurship 12

ARTS EDUCATION - VISUAL ARTS

Art Studio 10
Art Studio 11
Art Studio 12
Studio Arts: 2D 11
Studio Arts: 2D 12
Art Independent Directed Studies 12
Photography 10
Photography 11
Photography 12

ARTS EDUCATION - DRAMA

Drama 10/11/12
Theatre Company 11/12
Directing and Scriptwriting 11/12
Theatre Production & Stagecraft 10/11/12

ARTS EDUCATION - MUSIC

Concert Band 10
Concert Band 11
Concert Band 12
Jazz Band 10
Jazz Band 11
Jazz Band 12
Jazz Studies 10/11/12
Rhythm and Blues 10/11/12*

CAREER EDUCATION

Career Life Education 10
Career Life Connections 12A*
Career Life Connections 12B*
Work Experience 11*
Work Experience 12*

SPECIAL COURSES

Human Services (Peer Tutoring) 10/11/12
Independent Directed Studies 11 and 12
Outdoor Education 10*
Work Experience

Bold Faced Course Names are courses that meet graduation requirements. Courses with an asterisk (*) are new courses for the 2019-2020 school year.

2018 GRADUATION PROGRAM PLANNER

Foundation (Core) Courses

Required Courses		Credits
English Language Arts 10		4
English Language Arts 11		4
English Language Arts 12		4
Mathematics 10		4
Mathematics 11 or 12		4
Social Studies 10		4
Social Studies 11 or 12		4
Science 10		4
Science 11 or 12		4
Career Life Education 10		4
Career Life Connections 12		4
Physical and Health Education 10		4
Fine Arts or ADST 10, 11 or 12		4
	Foundation Total	52
Elective Courses:		Credits
List your courses: Some courses may be worth 2 or 4 credits		
Min. 28 Elective Credits Needed	Electives Total:	
Check – do you have 16 credits at the Grade 12 level?		
<i>Total of 80(+) Credits Needed to Meet Grad Requirements</i>	Total Credits	

Elective Courses

Dogwood Diploma:
 Adult Grad Program
 School Completion Certificate

Students must also complete three (3) Provincial Graduation Assessments in literacy and numeracy.

- Numeracy 10
- Literacy 10
- Literacy 12

Graduation Requirements & Post-Secondary Admissions

Students, parents and educators are encouraged to research the admission requirements for post-secondary programs of study as they vary by institution and by year.

For specific program requirements, you should contact the specific institution you are interested in or search for specific program requirements using the Education Planner's website: <http://www.educationplanner.ca/>

Useful Links

- Education Planner: <http://www.educationplanner.ca/>
- BC Ministry of Education : <http://www.gov.bc.ca/bced/>
- BC Ministry of Education Graduation Requirements: <https://www2.gov.bc.ca/gov/content/education-training/k-12/support/graduation/certificate-of-graduation>
- Curriculum Document: <https://curriculum.gov.bc.ca/curriculum/10-12>

Student Transcripts

We advise that all grade 12s complete this process before graduation.

New Student Transcripts Service (STS) how-to videos are now available for viewing:

Students interested in signing up for Student Transcripts Service can now view three quick videos on signing up for STS and options for sending their transcripts. Click here to view the videos. <https://www2.gov.bc.ca/gov/content/education-training/k-12/support/transcripts-and-certificates>

FINANCING YOUR FUTURE

Scholarships and Bursaries

Join Mrs. Gustafson's Google Classroom for Scholarship Information. See her for the classroom code. There are many scholarships available. Most scholarships you need to find on your own through the universities you wish to attend, employers, charitable organizations, clubs and unions.

Nanaimo Ladysmith Schools Foundation scholarships will be due February 8th. The application process opens on January 14th <https://sas.nlsf.ca/App-Login.aspx>

For this pool of awards, you will complete 1 application and Mrs. G will review and select the appropriate awards. In May the selection process will take place.

It's never too early to think about how you'll pay for your future education. If you plan to continue school beyond Grade 12, you can start earning money from awards and scholarships even before you graduate. See <http://www2.gov.bc.ca/gov/content/education-training/k-12/support/provincial-scholarships> for Ministry Scholarships and Awards.

The District/Authority Scholarships are now \$1250 and the # of awards per school will be determined based on the # of registered grade 12 students @ Sept 30, 2019. Last year Wellington received 19 + 1 additional one that was unused from another school. The application will be online for students to apply; see the Ministry website for specifics regarding criteria. The focus is on excellence in their chosen area of interest or strength. <http://www2.gov.bc.ca/gov/content/education-training/k-12/support/provincial-scholarships/district-authority-scholarships>

There are also 55 BC Excellence Scholarships in the province. <https://www2.gov.bc.ca/gov/content/education-training/k-12/support/scholarships/provincial-scholarships/bc-excellence-scholarships>

Local Scholarships, Bursaries and Awards

The local community is very supportive of students wishing to pursue a post-secondary education including trades and technical programs. The Nanaimo Ladysmith Schools Foundation selects and distributes the awards for School District #68 students. Applications are available from the school counselling area in early February. Visit <http://www.nlsf.ca> for details.

Other Awards

Many other scholarships and awards are available to graduating students. Excellent websites include: www.studentawards.com
www.scholarshipscanada.com

DISTRICT PROGRAMS – Career Pathways (CTC)

A significant labour shortage in British Columbia is projected over the next ten years, over a million job opportunities are expected. Career Pathways (CTC) programs allow students to learn more about “in demand” jobs, gain work-based training, and/or earn post-secondary training while attending high school. To learn more about our programs please visit our website or meet with one of our program advisors.

WEBSITE/REGISTER TODAY: www.ctc-careerpaths.ca

DUAL CREDIT – YOUTH TRAIN IN TRADES (formerly Dual Credit Trades & Applied Skills or AceIT)

This program is open to grade 12/13 students.

The Dual Credit Trades and Applied Skills Program is a provincially recognized partnership between Nanaimo Ladysmith Public Schools and Post-Secondary institutions. Students involved in this program earn both high school and university credits (dual credits) during their studies [while completing the first year toward a Red Seal Trade or Certification Program](#). Successful applicants are sponsored and do not pay tuition fees. Students are required to pay for application fees, activity fees, books and supplies. Since students are classified as high school students they are *not eligible for student loans*. Students normally graduate at the same time as their peers but receive a post-secondary credential, in addition, to their high school diploma.

Seats are currently offered in the following programs:

Applied Business Technology for Administrative Assistant | Legal Secretary | Accounting Assistant | Aircraft Maintenance Technician | Automotive Service Technician | Automotive Collision Repair | Automotive Refinishing | Baker | Carpenter | Professional Cook Level 1 and 2 | Dental Assistant | Electrician | Hairdresser | Heavy Duty Mechanic | Healthcare Assistant | Heavy Equipment Operator | Health Care Assistant | Horticulture | Information Technology & Applied Systems | Machinist | Marine Service Technician | Motorcycle/Marine Technician | Refrigeration Mechanic – HVAC | Welder

Students are encouraged to consult with their school counselor or our CTC advisor about this graduation option. Although basic requirements vary from program to program, a passion for the trades training or an applied skills program is a minimum standard for admission. Applications are processed as they arrive at the CTC Office and seats are awarded on an ongoing basis. For most programs, applicants must complete a VIU assessment prior to consideration for this program. See website for current program details. <https://www.ctc-careerpaths.ca/>

YOUTH EXPLORE TRADES SAMPLER (formerly Discovery Trades)

The Trades Sampler Program, offered at the VIU campus, from February-April, provides a hands-on experience in a variety of in-demand trade careers (i.e. welding, carpentry, electrical, motorcycle and marine technician, auto service technician, heavy mechanical trades, etc.) The deadline for applications will be early December. However, waitlist applications may be considered if received after this date. A Student Transition Plan will be developed between the student and Career Pathways (CTC) program advisor; this plan will identify graduation requirements and the transition plan from high school to the work place and/or post-secondary training. See our website for more details and deadlines. <https://www.ctc-careerpaths.ca/>

DUAL CREDIT – ENRICHMENT - VIU

Grade 11 students register to attend VIU courses during grade 12.

The Dual Credit Enrichment program offers VIU classes to youth that are planning on attending a specific post-secondary program after graduation. High school transcripts must show a minimum of three “A’s” and one “B”, final or interim grades, for English 10/11, Math 10/11, Social Studies 10/11, Science 10/11 and/or courses that are pre-requisites or relevant (i.e. music, drama, etc.) If you qualify, do not miss the opportunity to be awarded the highest priority for registration to almost all first year courses. Information sessions and pre-registration usually opens in early February and closes in March. Approved applicants are selected and contacted in April to register for the VIU classes. Students can enroll in up to two courses per semester and four courses per year. The courses must lead to a specific occupation. The school district sponsors (pays) tuition but students are responsible for all other costs such as the application fee, student fees, student activity fee, materials, textbooks, etc. It is important to discuss this option with a counselor, parent, VIU advisor and CTC advisor. See the website for more details and current deadlines. See website for current program details. <https://www.ctc-careerpaths.ca/>

YOUTH WORK IN TRADES (formerly Secondary School Apprenticeship Program).

This program is open to youth ages 14 – 19 years. Employers must provide a registered ITA employer sponsor.

This program allows youth to get a head start for a career in the trades by earning ITA work based training hours, getting high school course credits, and becoming eligible for a \$1000 ITA Award. High school course credits begins AFTER the student is registered with the ITA with an approved ITA employer sponsor and the application package has been approved. The employer sponsor must provide WCB coverage for paid positions; WCB is covered by the Ministry of Education for volunteer work placements. These courses can be completed outside of the regular school schedule, such as evenings, weekends, school breaks and summer. The student will earn 4 credits for completing 120 work hours and required pre-employment related assignments. The students can earn up to 4 courses or 16 credits. The \$1000 ITA Award is intended to assist the apprentice with the purchase of tools, equipment, materials or tuition; the student must report up to 900 work based hours to the ITA before December 31 of the school year that they turn 19 years old. Registration is ongoing.

CTC coordinators have office hours at Wellington and parent evenings. Contact your counsellor to sign up.

Core Programs | ENGLISH

In the English Language Arts curriculum, all six of the language arts elements (reading, listening, viewing, writing, speaking, and representing) are connected and used in each course. Each of the courses offered will be an English Language Arts class with a different emphasis. The difference between English First People (EFP) and English Language Arts (ELA) courses is the focus on Aboriginal context and content. Both ELA & EFP classes are equal in academic rigour.

GRADE 10 ENGLISH LANGUAGE ARTS OPTIONS:

You must take Composition 10 AND one other ELA 10 option.

Composition 10 (MCMPS10) (2 Credits) is designed for students who have an interest in developing their skills in written communication in a variety of contexts. The course provides students with opportunities to think critically as they explore, extend, and refine their writing. Content may include narrative, expository, descriptive, persuasive, and/or opinion pieces. Students will work individually and collaboratively to explore and create coherent, purposeful compositions. Specific emphasis will be on the planning, drafting and editing process, as well as citation of evidence.

The remaining two credits will be from the following options:

NEW MEDIA 10 (MNMD-10) (2 Credits) is a program of studies designed to reflect the changing role of technology in today's society and the increasing importance of digital media in communicating and exchanging ideas. New Media 10 recognizes that digital literacy is an essential characteristic of the educated citizen.

Curricular content may include media & film industry exploration, journalism and publishing, poetry and song lyrics and digital communications.

LITERARY STUDIES 10 (MLTST10) (2 Credits) is designed for students who are interested in the study of literature in general. The course allows students to go more deeply into literature as they explore specific themes, periods, authors, or areas of the world through literary works in a variety of media.

CREATIVE WRITING 10 (MCTWR10) (2 Credits) is designed for students who have an interest in creative expression through language. The course provides students with in-depth opportunities to become better writers. Students will collaborate and develop their skills through writing and design processes. This course invites students to express themselves creatively. Possible areas of focus include slam poetry, drama, graphic novels, non-fiction and multi-modal creative forms.

SPOKEN LANGUAGE 10 (MSPLG10) (2 Credits) provides opportunities for students individually and collaboratively to study, create, and use language to produce original pieces in a variety of modes. The course will provide students with opportunities for performance, oral language, professional applications, and public speaking. Spoken Language 10 will appeal to students who enjoy public performance or oral storytelling, or who want to gain more experience and skill in this area. Performance media may include spoken word poetry, storytelling, radio broadcasts, podcasts, video posts and reader's theatre.

GRADE 11 ENGLISH LANGUAGE ARTS OPTIONS:

CREATIVE WRITING 11 (MCTWR11) (4 Credits) is designed for students who are interested in using writing for self-expression and other various creative purposes. The course provides students with in-depth opportunities to become better writers. Students will collaborate and develop their skills through writing and design processes. Creative Writing 11 is grounded in the exploration and application of writing processes, inviting students to express themselves creatively as they experiment with, reflect on, extend, and refine their writing. Areas of focus may include short fiction, poetry, creative non-fiction, memoirs and more. The course provides opportunities for

students individually and collaboratively to study, create, and write original, authentic pieces for diverse purposes and in diverse forms. Students will work individually and collaboratively to explore and create. Students will explore narrative, expository, descriptive or persuasive pieces and specific attention will be on thesis development, structure and citations.

NEW MEDIA 11 (MNMD-11) (4 Credits) is designed to reflect the changing role of technology in today's society, and the increasing importance of digital media in communicating and exchanging ideas. Coursework is aimed at providing students with skills vital for success in an increasingly complex digital world, by affording opportunities to demonstrate understanding, and to communicate increasingly sophisticated ideas through a wide variety of digital and print media. Students may focus studies on the influence of the media industry on society and various methods of digital communication. The course provides opportunities for students individually and collaboratively to study, create, and write original, authentic pieces for diverse purposes and in diverse forms. Students will work individually and collaboratively to explore and create. Students will explore narrative, expository, descriptive or persuasive pieces and specific attention will be on thesis development, structure and citations.

LITERARY STUDIES 11 (MLTST11) (4 Credits) allows students to delve more deeply into literature. Students may explore specific themes, periods, authors, or areas of the world through literary works (fiction and non-fiction) in a variety of media. Giving students the choice of a range of literary topics allows them to follow their passion.

Specific areas of study may include canonical literature by era (i.e. Middle Ages, Renaissance), world literature, feminist literature, Canadian literature, etc. The course provides opportunities for students individually and collaboratively to study, create, and write original, authentic pieces for diverse purposes and in diverse forms. Students will work individually and collaboratively to explore and create. Students will explore narrative, expository, descriptive or persuasive pieces and specific attention will be on thesis development, structure and citations.

EFP LITERARY STUDIES AND SPOKEN LANGUAGE 11 (MELSL11) (4 Credits)

The EFP curriculum uses First Nations content and context to empower students by providing them with strong communication skills, an understanding and appreciation of language and literature, and the capacity to engage fully as literate and responsible citizens in a digital age. Students are guided in learning to think critically, creatively, and reflectively; to construct a sense of personal and cultural identity; and to be respectful of a range of perspectives and worldviews. This course provides opportunities for students to study, create, and use language to produce original pieces in a variety of modes. The course will provide students with opportunities for performance, oral language, professional applications, and/or public speaking. Spoken Language 11 will appeal to students who enjoy public performance, oral storytelling, and/or who want to gain more experience and skill in this area. The course provides opportunities for students individually and collaboratively to study, create, and write original, authentic pieces for diverse purposes and in diverse forms. Students will work individually and collaboratively to explore and create. Students will explore narrative, expository, descriptive or persuasive pieces for the spoken word audience and specific attention will be on thesis development, structure and citations.

GRADE 12 ENGLISH LANGUAGE ARTS OPTIONS:

ENGLISH STUDIES 12 (MENST12) (4 Credits)

The curriculum is designed to empower students by providing them with strong communication skills, an understanding and appreciation of language and literature, and the capacity to engage fully as literate and responsible citizens in a digital age. Students are guided in learning to think critically, creatively, and reflectively; to construct a sense of personal and cultural identity; and to be respectful of a range of perspectives and worldviews.

ENGLISH FIRST PEOPLES 12 (MENFP12) (4 Credits)

The EFP curriculum uses First Nations content and context to empower students by providing them with strong communication skills, an understanding and appreciation of language and literature, and the capacity to engage fully as literate and responsible citizens in a digital age. Students are guided in learning to think critically, creatively, and reflectively; to construct a sense of personal and cultural identity; and to be respectful of a range of perspectives and worldviews.

Core Programs | SOCIAL STUDIES

SOCIAL STUDIES 10

Canada and the 21st Century up to Today (MSS—10) (4 Credits)

There are three major concentrations in Social Studies 10:

1. Contemporary Canadian History. Students will study the growth of Canadian society and Canada's role in world affairs. Sample topics will include a review of Canada's influence on **World War I**, the Roaring Twenties, the **Great Depression** and the Rise of Totalitarianism, **World War II**, the Cold War and the **Nuclear Age**, the Baby Boom Era and its economic prosperity, Human Rights and the 60's, The Energy Crisis of the 70's, the Beginning of the Computer revolution, a post 911 era and the **Age of Terrorism**.
2. The Global Environment. Students will investigate the concept of 'a global village', **over-population** and development, resources, urbanization, industrialization, technology and the effects of '**climate change**'.
3. Government - Students will examine the Canadian federal, provincial and municipal parliamentary systems, as well as the Canada's electoral system, and its Constitution.

SENIOR SOCIAL STUDIES

Students will choose **ONE** of the following courses to acquire a social studies credit for graduation. Students may choose any of the following courses as additional elective credits for graduation.

20th CENTURY WORLD HISTORY 12 (MWH--12) (4 Credits)

This elective course will help students gain a clearer understanding of the various social, political, and economic systems that developed over the course of the 20th century. Students will explore the rise and rule of authoritarian regimes; civil wars, independence movements, and revolution; human rights movements, including those of indigenous peoples; religious, ethnic, and/or cultural conflicts, including genocide; global conflicts, including World War I, World War II, and the Cold War; social and cultural developments, such as the changing role of women; and the impact of new technologies.

ASIAN STUDIES 12 (MASIA12) (4 Credits)

Asia, with its various ethnic, regional and national identities, has become a major player in world affairs. These nations have become an integral part of BC's community as a result of increasing immigration and growing economic partnerships. Asian Studies 12 explores how Asia's ethnic, regional, and national identities, shaped in part by geography and migration, exert significant political and cultural influence in our world. Students will study the geography of Asia, including resource distribution and physiographic features, demography, migration, urbanization, and environmental issues. The course will also consider the impact of industrialization, globalization, changing economic systems, and the distribution of wealth and resources. Social and political movements, including human rights initiatives, as well as local, regional, and global conflicts will be examined.

BC FIRST PEOPLES (MBCFP12) (4 Credits)

This course looks at the unique history and the many cultural expressions that convey the richness, diversity, and resiliency of BC First Peoples. Students investigate how, through self-governance, leadership, and self-determination, BC First Peoples challenge and resist Canada's ongoing colonialism, and move forward as community.

Areas of study include the relationship BC First Nations have with the environment, the role of oral traditions, the impact of exchanges with non-indigenous people, and the First Nations' historical resistance against colonialism. The relationship and effect of local, provincial, and federal governments and their various laws will be viewed, as well as the traditional and current BC First Nations government systems. The results of the recent 'Truth and Reconciliation' document produced by the Federal government will be investigated, as well as many of the challenges facing BC first Nations today.

CONTEMPORARY INDIGENOUS STUDIES 12 (MINST12) (4 Credits)

In this course, students will explore the identities and worldviews of Indigenous peoples across the globe, including the balance and interconnection of family, community, language, culture, and the land. Student will look at Indigenous art, social media, literature, music, dance, language revitalization and the processes of decolonization as avenues for fostering the resilience and survival of Indigenous peoples and their cultures despite the continuing effects of colonialism. Students will also investigate the advocacy and assertion of Indigenous rights to self-determination (economic development, rights to land and natural resources, treaties, self-government), and explore the process of reconciliation in Canada, including the Royal Commission on Aboriginal People and the Final Report of the Truth and Reconciliation Commission of Canada and its Calls to Action.

HUMAN GEOGRAPHY (MHGEO12) (4 Credits)

How do humans shape the land, and how does the land shape us? The study of human geography looks to answer these questions. This course focuses on the process of human adaptation in response to our natural environment, our alteration of the landscape, and the short and long-term consequences of these processes. Students will learn about demographic patterns of growth, decline, and movement, the relationships between cultural traits, our use of physical space, and impacts on the environment. The relationship between First Peoples and the environment will also be explored. Students will develop an understanding of global agricultural practices and the role of industrialization, trade, and natural resource demands in shaping our environment. Student will look at the factors behind increased urbanization and its influence on societies and environments, the relationships between natural resources and patterns of population settlement and economic development, and the political organization of geographic regions.

PHYSICAL GEOGRAPHY (MPGEO12) (4 Credits)

If you are fascinated by how all the systems of the earth have interacted for the last 4.5 billion years, then you'll love Geography. This course covers topics such as plate tectonics, earthquakes, tsunamis, and other natural disasters. Student will investigate the effects of weather and our changing climate on many of the earth's systems, such as melting glaciers, rising rivers, and extreme winds. Students will determine how these changes are affecting various biomes around the world, resulting in drought, rising sea levels and the extinction of many species. Students will study forms of energy production, from fossil fuels such as coal, oil, and natural gas, to more environmentally friendly forms such as, solar, wind, and geo-thermal.

Students will also consider how humans have been managing our environment, looking at such topics as fresh water, habitat destruction and re-habilitation, water, air and land pollution, carbon collection, acid rain, ozone depletion, waste management and sewage treatment. This course should allow students to make informed decisions in managing the Earth's resources in a sustainable manner, and come away with the concept that 'we all live downstream'.

LAW STUDIES 12 (MLST-12) (4 Credits)

Law Studies 12 provides an overview of the Canadian legal system. This course emphasizes how law affects the ordinary citizen. Special emphasis is given to the court system and criminal law. Topics include law enforcement, civil wrongs, such as assaults, acquiring and safeguarding real and personal property, and legal contracts. The

course is designed to give students a greater awareness of the effect the law has on them on a day-to-day basis, as well as an understanding of their civil rights. Students can expect to participate in field trip(s) to the Nanaimo Provincial law courts to observe actual court proceedings in progress.

SOCIAL JUSTICE (MSJ—12) (4 Credits)

In Social Justice 12 students will gain an understanding of the concepts and terminology of social justice, such as equity and equality, diversity, hegemony, human rights, oppression and genocide. Through discussion and inquiry students will discover the processes that promote social justice, including recognizing injustice, fair-mindedness, embracing diversity, empathy and taking action. If you are a student who cares and wants to make a difference, then this is the course for you.

PSYCHOLOGY (XAT—12PYS) (4 Credits)

Psychology is a diverse and fascinating social science that attempts to explain and predict why people behave, think and feel the way they do. Psychologists aspire to learn ways in which people can improve the quality of their lives. Whether you plan to pursue a psychology-related field of study after you graduate or not, this introductory course will give you an overview of the subject and help you understand humans better, including yourself! Topics of study include history, research methods, development across the lifespan, learning and memory, personality, sleep and dreams, addiction, psychological disorders, mental health, consumer psychology, and careers in psychology. A willingness to participate in discussions and activities and an open mind are two important things you can bring to this class. **This course does not fulfill Ministry graduation requirement for Social Studies.**

Core Programs | **MATHEMATICS**

MATH PATHWAYS

Math at the Grade 10, 11, and 12 levels have different pathways that provide different aspects or foci for student learning.

The goals of all three pathways are to provide pre-requisite attitudes, knowledge, skills and understanding for specific post-secondary programs or direct entry into the work force.

All three pathways provide students with mathematical understanding and critical thinking skills. It is the choice of topics that varies among pathways. When choosing a pathway, students should consider their interests, both current and future so that the pathway they choose will be the one to engage them in their studies.

The Workplace Math Pathway provides students with foundational math skills of measurement, finances, and spatial geometry. Some post-secondary trades programs will accept Workplace Math courses as pre-requisites.

The Foundations Math Pathway is designed towards students prepping for higher level Math course and potentially post-secondary.

The Pre-Calculus Math Pathway is intended for students going into Math, Science, Engineering, and other post-secondary programs that require Calculus.

Provincial Numeracy Assessment:

The assessment will include several components: pre-assessment activities; sections required by all students; extensive constructed response questions; and a self-reflection component. Students will complete the

assessment using a computer, plus paper response sheets for the hand-written components.

The provincial numeracy assessment is one of two provincial assessments required for graduation, beginning in the 2018/2019 school year. Students will have the opportunity to write the assessment in January and June. Students may complete this assessment anytime in grade 10 and may complete it up to three (3) times. A proficiency score will be included on the students' transcript. This assessment is not included in any specific course grade.

For more information on the Provincial Assessments, please see:

<https://curriculum.gov.bc.ca/provincial-assessment/graduation>

GRADE 10 MATH OPTIONS:

MATH 9/10 CONNECTOR (MMAFA10)

This course is for students with a Grade 9 mark of “Developing” or “Proficient” planning to take Foundations/Pre-calculus 10. Students will enhance their Grade 9 skills and be introduced to Grade 10 topics. Many students have found that going directly from Math 9 to Math 10 is extremely challenging in both content and workload. It is strongly recommended that students take this course after completing Math 9 and before attempting Math 10 (i.e. second semester of grade 9 or first semester of grade 10).

WORKPLACE MATHEMATICS 10 (MWPM-10) (4 Credits)

Topics include units of measure, area, volume, capacity, mass, temperature, 2D, 3D and composite objects, spatial reasoning, problem solving, using formulas, Pythagorean theory, polygons, geometry, unit pricing and proportional reasoning.

FOUNDATIONS OF MATH AND PRE-CALCULUS 10 (MFMP—10) (4 Credits)

This course is designed to provide students with mathematical understandings and critical thinking skills identified for post-secondary studies in both the arts and the sciences. Topics include surface area and volume of 3-D objects, applying trigonometric ratios to right triangles, irrational numbers, powers involving integral and rational exponents, polynomials, and coordinate geometry with linear relations, system of linear equations and function notation. At the end of this course, students are prepared for Apprenticeship and Workplace 11, Foundations of Mathematics 11 and/or Pre-Calculus 11.

Students who enjoy logical and abstract thinking will be suitable for this course. Students will need to do their homework regularly and be prepared to come in for extra help. Students will need to learn mathematical concepts quickly because each lesson generally introduces new concepts.

GRADE 11 MATH OPTIONS:

WORKPLACE MATHEMATICS 11 (MWPM—11) (4 Credits)

Topics: relations and formulas, income and debt, data analysis, measurement technology, owning and operating a vehicle, income tax, probability, business plan.

FOUNDATIONS OF MATHEMATICS 11 (MFOM—11) (4 Credits)

This Pathway is designed to provide students with the mathematical understandings and critical thinking skills required for entry into liberal arts and humanities programs at the post-secondary level. Course topics include Measurement, Geometry, Trigonometry, Logic Reasoning, Statistics, Relations and Functions, and Mathematics Research Project.

Topics - solving linear/non-linear equations, factoring polynomials, relations and functions, quadratic equations, coordinate geometry and problem solving.

PRE-CALCULUS 11 (MPREC11) (4 Credits)

Topics – solving linear/non-linear equations, factoring polynomials, relations and functions, quadratic equations, coordinate geometry and problem solving

GRADE 12 MATH OPTIONS:

FOUNDATIONS OF MATHEMATICS 12 (MFOM—12) (4 Credits)

This course has been designed for students heading to university in many programs. (Check with your intended post-secondary program if this course will be accepted). If you have successfully completed Foundation of Math 11 or Pre-Calculus Math 11, this course will be a significant investment in your future. Topics include: Financial Mathematics (Investing and Borrowing); Set Theory and Logic; Counting Methods; Probability; Polynomial Functions; Exponential and Logarithmic Functions and Sinusoidal Functions.

PRE-CALCULUS 12 (MPREC12) (4 Credits)

Topics: trigonometric functions, trigonometric equations, exponents and logarithms, sequences and series, combinatorics, probability distributions, transformations. There is a provincial exam in this course.

CALCULUS 12 (MCALC12) (4 Credits)

Topics: History of calculus, functions, graphs and limits, the derivative (concept and interpretations), the derivative (computing), applications of derivatives and graphing, applied problems and derivatives, integration, applications of integration.

Students will complete Math 12 or receive strong recommendation from their teacher prior to enrolling in Calculus 12.

Core Programs | SCIENCE

SCIENCE 10 (MSC—10) (4 Credits)

Science 10 continues to introduce and use the methods and applications of science. This course further develops the study of Chemistry, Physics, Biology and Astronomy. Science 10 is designed to provide opportunities for students to develop scientific knowledge, skills, and attitudes that will be relevant in their everyday lives and their future careers.

Topics covered in the regular course are:

- a) Genetics
- b) Chemical Reactions & Radioactivity
- c) Energy
- d) Astronomy

GRADE 11 SCIENCE OPTIONS:

PLEASE NOTE: Chemistry 11 and 12, Physics 11 and 12, and Life Sciences 11 and Anatomy and Physiology 12 are required prerequisite courses for many post-secondary and apprenticeship programs. Please see your counsellor to determine which prerequisites you require for your area of interest.

LIFE SCIENCES 11 (MLFSC11) (4 Credits)

Life Sciences 11 is a survey course of the five kingdoms of life. Students are provided with opportunities to learn about all living things as well as the evolution of life on our planet and the ecological relationships between organisms. Under these themes, the Life Sciences 11 curriculum is organized into seven (7) main sections: processes of Science, Taxonomy, Evolution, Ecology, Microbiology, Plant Biology and Animal Biology. Students need to be prepared to develop a strong understanding of biological terminology as the course progresses. Dissection are integral parts of this course, as well. These skills are also extended into Anatomy and Physiology 12. Life Sciences 11 is strongly recommended for students wishing to take Anatomy and Physiology 12.

CHEMISTRY 11 (MCH—11) (4 Credits)

Chemistry 11 is designed as an introduction to chemical concepts for students with a general interest in Chemistry as well as for those who require Chemistry for more advanced study in the Sciences and is recommended for Biology 12. These concepts include the use of the Periodic table, the mole concept, lab safety and techniques, chemical reactions and atomic structure. There is emphasis on doing labs and mastering skills introduced during the course. Ability in mathematics, a foundation in algebraic manipulation, is an asset.

PHYSICS 11 (MPH—11) (4 Credits)

Physics 11 is an introductory course that focuses on the principles and theories of physics, encourages investigation of physical relationships, and illustrated the relationship between theory and application. The application of physics to everyday situations is highlighted throughout the curriculum. The organizers in this course have been chosen to be representative of physics, and the skills and knowledge provide a solid base for further study. The learning outcomes for Physics 11 are grouped under seven curriculum organizers.

- Physics - Introduction
- Wave Motion & Geometrical Optics
- Kinematics
- Dynamics in One Dimension
- Energy
- Special Relativity
- Nuclear Fission and Fusion

EARTH SCIENCE 11 (MESC—11) (4 Credits)

Earth Science 11 is a survey course designed to introduce students to the diverse aspects of earth and space science. The topics covered are grouped into six organizers:

- Earth and Its Environment
- Geological Science
- Oceanographic Science
- Astronomical Science
- Atmospheric Science
- Earth's History

ENVIRONMENTAL SCIENCE 11 (MEVSC11) (4 Credits)

Environmental Science 11 is a survey course that prepares individuals for activities involving the conservation and/or improvement of natural resources such as air, soil, water, land, fish, and wildlife for economic and recreational purposes.

SCIENCE FOR CITIZENS 11 (MSCCT11) (4 Credits)

Science for Citizens is designed for students who want to explore science topics that relate to their everyday lives and places of employment. This course will explore the following questions: How you can respond and adapt to local and global environmental changes? How can you tell if science claims about supplements and health products are valid? Which foods should be avoided by children and pregnant people? How should chemicals be

used and stored at home? What should you know about electricity, medications, and safety alarms to stay safe at home and at work? How is technology used to solve crimes? How can safe drinking water and energy generation be attained in the event of a natural disaster? Why is ocean acidification a problem that affects all people?

Through exploration of various topics, students will develop skills for analyzing how science, technology, and society interact in order to become citizens capable of evaluating information and making well-informed decisions. Students will complete the course with certifications such as: BC FOODSAFE and responsible disposal, current WHMIS (Workplace Hazardous Materials Information System), MSDS (Material Safety Data Sheet), CPR, first-aid, scuba certification, pesticide applications, apprenticeships, Red Seal Program, and first responders.

This course fulfills the Science 11 requirement for graduation, but does not qualify as a science prerequisite for most university programs.

GRADE 12 SCIENCE OPTIONS:

ANATOMY AND PHYSIOLOGY 12 (MATPH12) (4 Credits)

Anatomy and Physiology 12 is a comprehensive course on cell and human physiology. The focus of the course is on how organ systems work together to maintain the health of the human body. In addition, students study introductory biochemistry, cell organelles and protein synthesis. An ability to work with and understand extensive biological terminology is essential.

Recommended: Life Science 11 and Chemistry 11

CHEMISTRY 12 (MCH—12) (4 Credits)

Chemistry 12 continues with the skills mastered in Chemistry 11 and applies them to the following topics:

1. Reaction mechanisms
2. Equilibriums
3. Solubility
4. Acids and Bases
5. Redox reactions

In each of these five topics, lab skills and problem solving abilities will be refined.

Recommended: Mastery of Chemistry 11 concepts

PHYSICS 12 (MPH—12) (4 Credits)

Physics 12 is the study of classical mechanics and electromagnetism, and is designed to help students develop analytical and problem-solving skills. It provides opportunities for students to understand and apply the principles and concepts of physics to practical situations.

The learning outcomes for Physics 12 are grouped under 10 curriculum organizers:

- Vector Kinematics in Two Dimensions
- Dynamics
- Work, Energy and Power
- Momentum
- Equilibrium
- Circular Motion
- Gravitation
- Electrostatics

- Electric Circuits
- Electromagnetism

Recommended: Ability in mathematics especially a foundation in algebraic manipulation is an asset.

ENGINEERING 12 (MSPSC12) (4 Credits)

The purpose of this course is to introduce four major areas of engineering study and to engage the students in problem solving, project based learning and critical thinking. The course will cover:

1. Civil Engineering – structures
2. Electrical Engineering – power
3. Chemical Engineering – products
4. Mechanical Engineering – energy

Each unit of the course will follow a general plan of 1 week of introduction to the engineering discipline, 1 week of specific instruction on the application of Physics 12 and Chemistry 12 concepts that apply and 2 weeks to design, build and test a related project.

Core Programs | **PHYSICAL AND HEALTH EDUCATION**

Goals

The BC **Physical and Health Education** curriculum contributes to students' development as educated citizens through the achievement of the following goals.

1. A focus on developing a holistic understanding of health and well-being by promoting and developing all aspects of student health and wellness, including physical, social, and mental well-being
2. Big Idea statements to support teaching and learning and for deep understanding and skills transfer
3. Content on individual identities, including sexual identity, gender, values, and beliefs
4. Learning standards on various influences on healthy choices, including social and peer pressure, differing sources and validity of health information, and situational factors
5. A focus on developing healthy habits in all areas of health that students will continue to practice after graduation

General Information

1. Physical & Health Education 10 is a required course.
2. Physical Education 11 and 12 courses are elective courses.
3. The following equipment is **compulsory and must be worn for all physical education classes: running shoes (non-marking); gym shorts or sweat pants and a t-shirt.** A sweat shirt for outside activities and a towel for showering are optional. A lock for a day use gym lockers is essential. Student gym strip in physical education class must meet school dress code standards. **For safety reasons skate shoes and slip-on runners as well as headphone ear buds are not to be worn in class.**

There are four types of Physical and Health Education classes: regular PHE, Basketball, Fit for Life (Active Living), and Fitness and Conditioning. All of these options meet the PHE 10 graduation requirement.

PHYSICAL AND HEALTH EDUCATION 10, 11, 12 (MPHED10, MACLV11, MACLV12) (4 Credits each)

In these courses students will be given opportunities to:

- engage in **daily participation** of different types of physical activity designed to help develop their physical and personal health and fitness goals
- develop an understanding of the many benefits of physical activity that are essential components of a healthy lifestyle
- develop and maintain positive personal attributes and interpersonal skills as well as positive attitudes towards participation in physical activity

Students will be required to actively participate in a wide variety of physical activities and to develop and maintain a personal level of physical fitness

Basketball 10, 11, 12 (MPHED10B-S, MACLV11B-S, MACLV12B-S) (4 Credits Each)

In these courses students will be given opportunities to:

- engage in **daily participation** a range of different types of physical activities designed to help develop their physical and personal health and fitness goals. There will be a **strong focus on developing physical literacy skills through basketball.**
- develop an understanding of the many benefits of physical activity that are essential components of a healthy lifestyle
- develop and maintain positive personal attributes and interpersonal skills as well as positive attitudes towards participation in physical activity

Students will be required to actively participate in a wide variety of physical activities and to develop and maintain a personal level of physical fitness.

FIT FOR LIFE (Active Living) 10, 11, 12 (MPHE10AL, MACLV11FFL, MACLV12FFL) (4 Credits Each)

This class is designed to provide a comfortable, recreational environment for students to experience lifelong activities in the following three categories:

1. Outdoor Education such as hiking, canoeing, sailing, skiing, and dragon boating
2. Active Living and Recreational Sports such as golf, tennis, racquet ball and beach volleyball
3. Fitness and Conditioning such as yoga, Zumba, Pilates, boot camp and personalized weight training programs

Student choice and involvement in planning activities will be central to this class. (Activity opportunities are not limited to the samples given above). **Through this course, students will meet their personal health requirement for graduation of 150 minutes per week of moderate to vigorous physical activity.

FITNESS AND CONDITIONING 10, 11, 12 (MPHE10FC, MFTCD11, MFTCD12) (4 Credits Each)

This course enables students to deepen their understanding of health and fitness while also equipping them with the attitudes and skill sets they need to become lifelong participants in physical activity and fitness. Students considering a career in the health and fitness industry or an educational path in a related field of study (e.g., kinesiology) will benefit from this curriculum, as will students wanting to learn more about their personal fitness and conditioning levels. Students will develop, implement and reflect on personal fitness programs and apply the principles of training.

This course is designed for students that will be able to:

1. Participate daily in physical activities to enhance and maintain components of fitness
2. Identify, apply and reflect on strategies utilized to pursue personal fitness goals
3. Identify and describe the relationship between healthy eating, overall health, and performance in fitness. Analyze health messages, plan ways to overcome barriers that reflect in fitness and conditioning
4. Explain how developing competencies in fitness and conditioning activities can increase confidence and encourage lifelong participation in physical activities.
5. Identify and describe how muscles produce movement in different parts of the body and how to train those muscles
6. Identify and describe the influences of different training styles.

It is highly recommended that students selecting this course are self-motivated and have a keen interest in Fitness.

Core Programs | CAREER EDUCATION

Career Education is a critical part of the BC Ministry of Education Graduation Program. At Wellington Secondary, students participate in these graduation requirements throughout Grade 10, 11 and 12.

Grade 10	Grade 11	Grade 12
Complete 4 Credits of Career Life Education 10	Complete 2 credits of Career Life Connections, while beginning Capstone Project	Complete 4 credits of Career Life Connections including Capstone Project

CAREER LIFE EDUCATION 10 (MCLE-10) (4 Credits)

Career Life Education 10 is a 4 credit course designed to enable students to develop the skills they need to become self-directed individuals who make thoughtful decisions, set goals, and take responsibility for pursuing their goals throughout life. Students will think critically about health issues and decision making, develop financial literacy skills, and plan the actions required to pursue future goals. They will explore their post-secondary schooling and career options. This course is a graduation requirement and is the pre-requisite for graduation requirement courses of Career Life Connections and the Capstone Project.

CAREER LIFE CONNECTIONS (MCLCA12 and MCLCB12) (2 Credits Each)

As part of the new graduation process, all students in British Columbia must now complete Career Life Connections, which includes a Capstone Project. The Career Life Connections process begins in Career Life Education 10 and continues through Grades 11 and 12.

Career Life Connections is an opportunity for students to reflect on their knowledge and abilities and plan for life after graduation by the collective evidence of their achievements in the following required areas.

- Personal Health
- Community Connections
- Career and Life

In their Career Life Education 10 course, students are introduced to Career Life Connections and the Capstone Project and will meet some of the criteria as part of the regular course work.

Elective Programs | LANGUAGES

FRENCH

The Core French program at Wellington emphasizes the exploration of the francophone or French-speaking world and how we experience it through language and culture. Students will explore the language with writing, reading, listening, and speaking components and a variety of themes including Entertainment, Global Cuisine, and even Urban Legends! Students are encouraged to challenge themselves and celebrate their progress in the language demonstrating their learning through collaborative projects and activities. The French program also emphasizes experiencing the culture with the help of music, movies, and food!

FRENCH 10 (MFR—10) (4 Credits)

The four skill areas of reading, writing, listening and speaking are all emphasized and evaluated. The curriculum is thematic, covering such areas as travel, progression, as themes reoccur. Students will be expected to

demonstrate comprehension of spoken French, and activities, and in small group projects, and to write correct French appropriate to their level.

INTRODUCTORY FRENCH 11 (MFR—10BGS) (4 Credits) is an opportunity for students to re-enter French in preparation for French 11 and other university-track courses. This accelerated course picks up where French 8 left off and combines the key points of French 9 and 10. Students will review basic structures and vocabulary while also exploring the grammatical building blocks to the French language. Students will explore the language with writing, reading, listening, and speaking components and a variety of themes including entertainment, urban legends, and global cuisine. Students are encouraged to challenge themselves and celebrate their progress in the language demonstrating their learning through collaborative projects and activities. Additionally students will have the opportunity to expand their understanding of French language and culture through music, celebrations, and, *bien sûr*, food!

FRENCH 11 (MFR—11) (4 Credits)

The material covered in French 8, 9, 10 will be reviewed and reinforced. As this course is required for entrance to many of the major universities, the level of expectations is high. More complex grammar points are introduced, always in the context of the themes being studied. The areas of reading, writing, listening and speaking will be stressed and assessed.

FRENCH 12 (MFR—12) (4 Credits)

This course further develops communications skills in the areas of listening, speaking, reading and writing. Develop a deeper awareness of the culture and diversity of French speaking countries and regions. Expand your ability to communicate in French through real-life themes, cultural activities and projects. If successful in French 12, the student may not be required to take a first year university language course to satisfy their university graduation requirements.

** Completion of this course gives a student entering a General Arts Program a language credit at some universities. **

Recommendation for French 12 is French 11.

SPANISH

As the second most-spoken language in the world, Spanish is a great way to explore and experience the world! Utilizing a wide variety of themes as our lens into Spanish language and culture, we experience the language with writing, reading, speaking and listening components. Students are encouraged to challenge themselves and celebrate their progress in the language demonstrating their learning through collaborative projects and activities. The Spanish program at Wellington also emphasizes learning the language with the help of music, culture, and of course, food!

SPANISH 10 (MSP—10) (4 Credits)

Spanish 10 is a continuation of Spanish 9 and allows for further exploration of the language and culture of Spain and Latin America. Students will continue to develop their ability in the language while exploring themes such as traveling, shopping, food, and more. They will demonstrate their learning through collaborative projects and activities. Students are recommended to take Spanish 9 prior to Spanish 10.

INTRODUCTORY SPANISH - *Open to Grade 9, 10, 11 and 12 students* (MBSP—11) (4 Credits)

This is an introductory course for Grade 10, 11, and 12 students who want to start studying Spanish. This course covers Spanish 9 and Spanish 10 course material, preparing students to go into Spanish 11. Learn communications skills in the areas of listening, speaking, reading and writing. Experience the exciting language and culture of Spanish speaking countries through real-life themes, cultural activities and projects. *Students who successfully complete Introductory Spanish 11 may go directly into Spanish 11.*

SPANISH 11 (MSP—11) (4 Credits)

Recommendation prior to taking Spanish 11 is Introductory Spanish 11.

This course further develops communication skills in the areas of listening, speaking, reading and writing. Develop a deeper awareness of the culture and diversity of Spanish speaking countries. Expand your ability to communicate in Spanish through real-life themes, cultural activities and projects.

Spanish 11 meets the requirements of a Grade 11 language course for universities which have a Grade 11 language requirement for entrance.

SPANISH 12 (MSP—12) (4 Credits)

Recommendation prior to taking Spanish 12 is Spanish 11

Students continue to develop their ability to understand Spanish and Hispanic culture. Expand your ability to communicate through listening, speaking, reading and writing in Spanish. Explore contemporary issues through real-life themes relevant to youth today.

****Completion of this course gives a student entering a General Arts Program a language credit at some universities. The student may, therefore, not be required to take a first year university language course to satisfy their university graduation requirements.****

HUL'QUMI'NUM

HUL'QUMI'NUM 10, 11, 12 (MHULQ10; MHULQ11; MHULQ12) (4 Credits Each)

These courses will be an academic pursuit of the oral, visual, and written forms of Hul'qumi'num. A continuation of the historical perspective associated with the language and culture of the Coast Salish people is an integral part of these courses.

Elective Programs | ADST - BUSINESS EDUCATION

ACCOUNTING 11 (MAC—11) (4 Credits)

Students need financial, economic and consumer skills to survive in our complex society. This course is designed as an introduction to accounting concepts for those seeking entry-level employment skills or personal skills. Students gain insights into financial problems and solutions which have far reaching benefits for entrepreneurial and professional careers. Students will also solve financial problems using computer spreadsheets. It is extremely important that students demonstrate good work habits, complete daily assignments and come to class prepared. This course counts as an Applied Skills elective. This course is offered in the computer lab.

ACCOUNTING 12 (MACC—12) (4 Credits)

This course enables students to use industry-standard computer software and systems to analyze and solve accounting problems to produce and present accounting reports. It is extremely important that students demonstrate good work habits, complete daily assignments and come to class prepared. This course is offered in the computer lab. **Recommended:** AC 11

GRAPHIC PRODUCTION 12 (MGRPR12) (4 Credits)

In this collaborative project based course, students will create the school **YEARBOOK** and other publications using Adobe CS 4 Master Suite and Digital Photography. This course will introduce students to the commercial grade technologies used in all publishing. No previous computer experience is necessary. Students will be introduced to publishing layout and design principles, copywriting, photo composition, collaborative working group function, deadline management, team building, problem solving and promotion. This course counts as an Applied Skills elective.

ENTREPRENEURSHIP AND MARKETING 10 (MADEM10) (4 Credits)

This course will expose students to a variety of business concepts that encapsulate the realities of today's business marketplace. Developing a fundamental understanding of commerce students will explore topics ranging from the various types of business forms and the implications of political and economic structures in our modern society. In addition, this course will examine the role of marketing and the challenges facing marketers in today's global market place. The course will continue to develop these key concepts and students will be given the opportunity to explore how Entrepreneurship is a vital component in the Canadian and global economy. Upon developing these fundamental concepts students will be required to create and execute a business plan that has them market and sell a product or service within the Wellington School community. Students will also be required to relate the course teaching to current events and explain what implications these events may have on our economy.

MARKETING AND PROMOTION 11 (MMAP-11) (4 Credits)

This course explores the relationships between consumers and retailers and how these two entities coexist in the complex world of global commerce. Students will develop an awareness of how influential Marketing is in today's society and the impact marketing efforts have on consumer beliefs and demand. The material covered in this course will also reflect the ethical aspects associated with marketing and a comprehensive perspective of the role of marketing in terms of economics in both a closed and open economic structure. In addition, students will examine the cultural implications of marketing in a global economy characterized with many different types of consumers with varying needs and wants. Students will then examine the vast opportunities available to entrepreneurs as a result of global trade agreements and the emergence of e-commerce.

ENTREPRENEURSHIP 12 (MENT—12) (4 Credits)

This course is designed specifically for those who are keen to pursue their own business venture, work in a business environment, or plan to register in a post-secondary commerce or business program. This course will teach entrepreneurship from the perspective of a business owner and a customer. Students will learn about different activities involved in planning, pricing, promoting, distributing and selling products. Students will also develop communication, case analysis, presentation, public speaking, writing and critical thinking skills while learning the fundamentals of local and global marketing. This course is heavy on group and project work.

Elective Programs | ADST - INFORMATION & COMMUNICATIONS TECHNOLOGY

MEDIA DESIGN 10 (MMEDD10) (4 Credits)

This is an excellent overview course that covers a little bit of everything, allowing students to explore Programming, Graphic Design, Networking, Multimedia, Video Production, 3D Printing and Video Game Development. The overall emphasis will be using the Design Thinking model to quickly iterate through prototypes, testing them against user needs and problem definitions. Students will be prepared to focus and dive deeper into topics that interest them in Grades 11 & 12.

MEDIA DESIGN 11 (MDCOM11) (4 Credits)

While similar to Computer Programming 11, this course allows students to experience programming at a slightly reduced pace. Basic programming concepts, logical and decision making statements and loops will be covered, with emphasis more on scripting than coding. Students will use the Unity Game Engine and Microsoft Visual C# to create both 2D and 3D programs and video games. Students can expect to make use of a variety of graphics programs including Photoshop, Illustrator, Premiere, 3D Studio Max, and Mudbox to create models and graphics for their projects.

DIGITAL MEDIA DESIGN 12 (MDMD12) (4 Credits)

Digital Media Alliance Florida, defines digital media as “the creative convergence of digital arts, science, technology and business for human expression, communication, social interaction and education.” That fits well with the need to produce engaging and informative multimedia for the school and community. This course will allow students to build on skills they've developed in DMD 11 and create projects they are personally invested in.

COMPUTER PROGRAMMING 11 (MCMPR11) (4 Credits)

This course prepares students for the coding requirements involved in an Engineering or Computer Programming career. The course will be taught using the Unity Game Program Engine and Microsoft Visual C#. Course topics will be taught by building Windows Applications and Game Applications. Course topics include basic programming concepts, constructing and evaluating logical statements, use of control flow to manipulate program execution, development of algorithms to solve problems in multiple ways, techniques for operations on and searching of arrays and lists, uses of computing for financial analysis and ways to model mathematical problems.

COMPUTER PROGRAMMING 12 (MCMPR12) (4 Credits)

This course will expand on the skills and concepts from the former CP11 course to prepare students for a University level computer science class. The Unity Game Program Engine and Microsoft Visual C# will be used to delve deeper into algorithms, Game AI and business logic. Course topics include custom data types, comparison of sorting algorithms, and computation on large data sets, distributed computing and ways to apply simulated physics in different applications. Possible extension topics include VR and AR, as well as human-computer interaction. **Strongly Recommended : Computer Programming 11.**

MULTIMEDIA PRODUCTION 11 (MDFT11) (4 Credits)

This is a course for creative people to produce content for video, web and print in support of school communication of news, activities, events and more. Students will receive daily practice in video and sound recording and editing, web publishing, poster design, printing techniques as well as communication skills. Students will make use of industry standard programs in the Adobe Creative Cloud, such as Photoshop, Premiere and Animate.

MULTIMEDIA PRODUCTION 12 (MDFT12) (4 Credits)

Students interested in continuing the production of creative content will have the opportunity to work on larger projects as well as taking part in the daily web, video and print announcements in support of school communications. They will further their skills in Adobe Creative Cloud and general project management, helping to coordinate the collection and publication of information for the school community.

ELECTRONICS AND ROBOTICS 10 (MTEAR10) (4 Credits)

This course will be working with advanced mechanical movement structures and is intended for students looking towards design / mechanical / engineering fields (ROBOTICS).

Students taking this course will be using both computers and traditional tools for solving technical problems. There are three themes throughout this course including: Digital manipulation, Manufacturing Technology and Transportation Technology. The main focus is based around robotics and autonomous programming and material science technology in order to support the advanced movement structures.

WOODWORK 10 (MWWK-10) (4 Credits)

This course is intended for students, who do not wish to wait until Carpentry & Joinery 11 to continue their explorations in woodworking. This locally developed course is a continuation of the Woodworking course. Students are presented with a much greater variety of project choices, all of which will require the mastery of more advanced woodworking skills. This course counts as an Applied Skills elective.

Recommended: WW 9/10

WOODWORKING 11 (MWWK-11) (4 Credits)

This course is an extension of the Introductory Woods 9/10 course. A higher level of craftsmanship is developed through larger more complex furniture projects. Advanced joinery, hardwoods and improved tool skills are combined to produce quality furniture. A high level of pride is evident in students at this level. Completion of WW 9/10 is strongly recommended before enrolling in this course.

Recommended: None - for students with little background, project requirements will be modified.

FURNITURE MAKING AND CABINETRY 12 (MTFAC—12) (4 Credits)

This is an advance course focusing on cabinet making. Students develop skills suited to both custom and production work. As students reach this level, work quality expectations approach those of the cabinet making industry.

Advance methods such as frame and panel, mortise and tendon and drawer construction are incorporated into projects at this level.

Strongly recommended: WOODWORKING 11

DRAFTING 10 (MTDRF10) (4 Credits)

Drafting and Design builds upon the skills and knowledge acquired in Grade 9. Similar projects, designs, and computer projects are completed. Models of specific projects are built.

DRAFTING 11 (MTDRF11) (4 Credits)

Drafting 11 is a computer aided drafting (CAD) course, using AutoCad and VectorWork 3D. Students are encouraged to take advantage of this technology course, which qualifies as an applied skill. There is a great potential for career opportunities in the design or engineering field. The following careers depend on drafts people and designers: architectural building construction, civil drafting, mechanical drafting, structural drafting, as well as graphic layouts and map-making. The course has a hand drafting and model making component as well as a CAD component. Anyone interested in a career which involves design and/or building and manufacturing should consider this course. This course counts as an Applied Skills elective.

DRAFTING 12 (MTDRF12) (4 Credits)

A continuation of Drafting 11. Development of cams, gears, auxiliary view revolutions, mechanical drawing and architectural drawing. This course is intended for draft persons who may wish to carry on with drafting or

engineering as a career. **Recommended:** Drafting 11

EXPLORE TRADE SKILLS: 10-12 (MSTX0A; MSTX1A; MSTX2A) (4 Credits)

These courses are intended for students, who may be considering the trades (carpentry, auto, plumbing and electrical) and wish to explore which is of more interest. Those that are not exploring the trades will benefit from the experiences with differing trades knowledge. The rationale is to expose youth to a variety of in demand trades so they can make a more informed decision if interested in taking an ACE IT program, or to assist in preparation for Youth Work in Trades (TRN). The hope is that with taking a course like STX, youth will be better educated to make the decision about following a career in the trades. It has been said that ACE IT programs should not be used as an exploratory program for students, so the intention is that this course will increase the success rate to a red seal.

Elective Programs | **ADST - HOME ECONOMICS**

INTERPERSONAL AND FAMILY RELATIONSHIPS 11 (MIAFR11) (4 Credits)

“You can choose your friends, but you can’t choose your family,” implies that you have control over one but not the other. In this four credit course, learn how to manage relationships with the people around you, including your family. Identify the types of roles family and friendships play in your life and the importance they have to your well-being. Learn to communicate in effective ways and identify safe and healthy vs unsafe and unhealthy relationships. When a close relationship becomes serious, what is your legal status and what are the ups and downs in terms of financial, community, cultural changes and influences? What part does culture play in shaping a relationship and how can they be combined successfully? Lastly, when relationships end, what are the considerations and implications? In this course, you will learn the answers to these questions.

CHILD DEVELOPMENT AND CAREGIVING 12 (MCDAC12) (4 Credits)

Have you ever wondered what life will be like when you start a family? The information in this course is invaluable to all genders, regardless of when you begin a family. This four credit course starts with learning how to control pregnancy and the choices you have in the methods of contraception. You will learn what happens to the human body after conception. Beyond that, there are many choices you have to make when starting a family. They include, prenatal development, medical care, methods of childbirth and delivery. You will go through the stages of child development and learn about nutritional needs, styles of caring and the effects they have on both you and child. Lastly, you will look at the ongoing responsibilities, including child care outside the home, legal accountabilities and child welfare.

FASHION DESIGN 12 (MFIND12) (4 Credits)

This course is for students interested in furthering their skills and knowledge about fashion and costume design. Topics include principles and elements of design, history of fashion, fashion drawing, fashion designers, and fashion trends. Students will complete several projects. Previous textile classes are not required but are helpful.

FASHION / SEWING 9-12 (MTXT-10; MTXT-11; MTXT-12) (4 Credits each)

If you love to sew or would like to learn how, if you are a beginner or a more experienced sewer; if you like to design and create, and if you like hands on learning experiences, then Textiles is for YOU! Students will review basic sewing skills as well as master advanced, professional techniques. In these courses students will sew projects using sewing machines and sergers. Students may also have the opportunity to plan, design and construct projects. Through each grade level, students will advance their skills and in the senior levels students are given opportunities for more self-directed and personally creative projects.

FOOD STUDIES 10, 11, and 12 (MFOOD10; MFOOD11; MFOOD12) (4 Credits Each)

Learn how to become a confident cook and further your repertoire of cooking skills and food knowledge. This hands-on applied course provides an introductory to intermediate study of food preparation techniques. You will be exposed to food dishes from various cultures while planning and making healthy food choices for everyday meals. Emphasis on group cooperation during labs is critical for success. Meal planning, budgeting and healthy living will be covered.

EXPLORING BAKING 11 (MSTX1B) (4 Credits)

This is the Baking module for the Youth Explore Trades Skills Course. This course exposes students to fundamental baking skills as well as knowledge and attitudes needed for careers in the baking profession. This course is recommended for students who would like an introduction to the field of professional baking and provides activities in baking theory and practice. Emphasis on group cooperation during labs is critical for success

EXPLORING CULINARY ARTS 12 (MSTX2B) (4 Credits)

This is the Cooking module for the Youth Explore Trades Skills Course. This course is recommended for students who wish to improve personal cooking skills, explore careers in the food industry, learn and practice the skills needed to thrive in the food industry and travel the world through food. Emphasis on group cooperation during labs is critical for success. Create your own recipes and elegant meal plans with a style that will impress any guest. You will learn about cultures and their food norms, chef skills, variety of food types and their preparation, meal planning/ budgeting/ event planning and nutrition and healthy eating. **Strongly Recommended Food Studies 10.**

Elective Programs | **ARTS EDUCATION - VISUAL ARTS**

VISUAL ARTS

All elective art courses will provide students with an outlet to the more creative side of expression in the visual 2D and 3D form. Students will develop and refine a variety of skills while having **FUN** alongside their peers. Studies will include image development, context and the elements & principles of design while developing knowledge and skills in relation to the materials, processes and technologies particular to the chosen visual expression area. Opportunities to acquire skills and knowledge needed to fulfill prerequisites for various career paths will be provided. In the senior grades, students may work towards the development of an art portfolio for entrance to post-secondary. Students will participate in ongoing self-assessment. All students are expected to have a sketchbook. (Sketchbooks are available for purchase through the Art Department.)

ART STUDIO 10 (MVA10) (4 Credits)

This course will enable students to continue to explore **all areas of art** including both **2D and 3D** including but not limited to: drawing, painting, printmaking, graphics design and sculpture. The elements and principles of design are further explored and refined. Skills: inquiring, planning, exploring, creating, expressing, documenting, analyzing, questioning, reflecting, critiquing, evaluating, communicating, responding, presenting. Short and longer assignments will cover the core areas of drawing, painting, and sculpture. Further explorations of different media and mixed media. This course meets the Fine Arts graduation requirement.

ART STUDIO 11 (MVA11) (4 Credits)

This course is intended for students who wish to continue to explore **all areas of art** both **2D and 3D** including but not limited to: drawing, painting, printmaking, graphics design and sculpture. Students in Art 11 will receive a broad range of experience and instruction in the elements and principles of design with a focus on more refined image development. Skills: inquiring, planning, exploring, creating, expressing, documenting, analyzing, questioning, resolving, refining, reflecting, critiquing, evaluating, communicating, connecting, responding,

presenting. Students will be exposed to a variety of media and given the opportunity to further explore a personal area of interest. The introduction to different art styles, movements and artists will further enhance each student's personal art journey. Students will maintain a sketchbook that clearly journals their creative process for each project. This course meets the Fine Arts graduation requirement.

ART STUDIO 12 (MVA12) (4 Credits)

This course is intended for students who wish to continue to explore **all areas of art** both **2D and 3D** including but not limited to: drawing, painting, printmaking, graphics design and sculpture. Skills: inquiring, planning, exploring, creating, expressing, documenting, analyzing, questioning, resolving, refining, reflecting, critiquing, evaluating, communicating, connecting, responding, presenting. Art and artists, both historical and contemporary, will be studied. A variety of media and tools will be used while examining each area of study. Continued exploration of the more newly discovered art materials/tools that are available will also be used for mixed media projects. Students will be assigned several independent projects where they will have the opportunity to explore, in more depth, areas of interest with media/theme development. Projects assigned will meet educational portfolio guidelines for first year post-secondary entry towards interior design, graphic design and visual arts programs. Students will maintain a sketchbook that clearly journals their creative process for each project. Students may be expected to purchase some art supplies. This course meets the Fine Arts graduation requirement.

STUDIO ART 2D 11 (MVAD-11) (4 Credits)

This course is intended for students wanting to continue their study of art specifically in the area of **2-dimensional** processes including but not limited to: drawing, painting, printmaking and/or graphics design. Skills: inquiring, planning, exploring, creating, expressing, documenting, analyzing, questioning, resolving, refining, reflecting, critiquing, evaluating, communicating, connecting, responding, presenting. Students will maintain a sketchbook that clearly journals their creative process for each project. This course meets the Fine Arts graduation requirement.

STUDIO ART 2D 12 (MVAD-12) (4 Credits)

This course is intended for students wanting to continue their study of art specifically in the area of **2-dimensional** processes including but not limited to: drawing, painting, printmaking and/or graphics design. Skills: inquiring, planning, exploring, creating, expressing, documenting, analyzing, questioning, resolving, refining, reflecting, critiquing, evaluating, communicating, connecting, responding, presenting. Art and artists, both historical and contemporary, will be studied. A variety of media and tools will be used while examining each area of study. Continued exploration of the more newly discovered art materials/tools that are available will also be used for mixed media projects. Students will be assigned several independent projects where they will have the opportunity to explore, in more depth, areas of interest with media/theme development. Projects assigned will meet educational portfolio guidelines for first year post-secondary entry towards interior design, graphic design and visual arts programs. Students will maintain a sketchbook that clearly journals their creative process for each project. Students may be expected to purchase some art supplies. This course meets the Fine Arts graduation requirement.

ART INDEPENDENT DIRECTED STUDY 12 (MIDS-2A) (4 Credits)

Students will have a chance to continue the development and refinement of individual artist's strengths and interest with specific media of choice, honing in on both skill and style as an artist. Theme development will be suggested as a departure point, providing students an opportunity to explore and refine technique and form of expression within one or more media of chosen interest, creating a series of paintings within a theme that is chosen by the student. Independently with teacher guidance and support, students will develop a learning plan with evidence-based goals that incorporate their choice of direction related to their artistry.

PHOTOGRAPHY 10 (MVAPH10) (4 Credits)

This course will provide students with a basic overview of digital photography and post production editing.

Students will explore the historical evolution of photography and how the digital camera has embarked upon the norm of modern day photography. Course content will lead students through the basics of composition and exposure to creating their own photographic portfolio which highlights their learning objectives throughout this course.

PHOTOGRAPHY 11 (MVAPH11) (4 Credits)

Students who have developed the basics of Photography 10 will be expanding their photographic skills to explore concepts ranging from Macro Photography, Street Photography, Nature photography, Portrait Photography etc. In this course students will be utilizing more advanced features of the Adobe suite consisting of Photoshop and Bridge.

PHOTOGRAPHY 12 (MVAPH12) (4 Credits)

This course explores the basics of Photography ranging from composition to exposure and to post production processing of digital files through Adobe Photoshop. Students will first learn how to compose captivating photographs in a variety of settings consisting of portraits, action and landscaping photography. Once students have developed a fundamental understanding of basic composition they will begin to unlock the hidden capabilities of the Digital Camera. This course will lead students step by step from basic automatic mode to full manual mode of every aspect of their photograph. Students will also have an opportunity to explore the impact various lenses will have on their final image.

Elective Programs | **ARTS EDUCATION - DRAMA**

DRAMA

No one is a spectator in Drama. Emphasis in this course is on the DRAMATIC PROCESS and PERFORMANCE. Participation and total involvement in all areas of the course are most important. It is also essential that students are prepared to wear comfortable clothing for all stage activities (i.e. - jeans and indoor soft shoes). Students electing to take Drama must have self-discipline and a sincere desire to channel their creative energy, and have fun.

DRAMA 10 (MDRM—10)

Drama 10 is an extension of Drama 9 with more detailed work in all areas. Students will work cooperatively on role-plays, stage fighting, music projects and scripted plays. Make-up, costume, sound, lighting, props, set design and construction may also be studied depending on suitability, time and interest. Drama 9 is not a prerequisite but some previous experience is desirable.

DRAMA 11 (MDRM11)

Drama 11 is an extension of Drama 10 with more detailed work in all areas. Film work, costumes, lighting, sound, props and set design will be studied depending on student interest, along with role-plays and scripted scene work. Drama 10 is not a prerequisite but some previous experience is desirable.

DRAMA 12 (MDRM12)

The groundwork in Drama 11 will be put to good use in Drama 12. The emphasis in this course is on acting skills aimed at performance. As well, acting styles of different historical periods may be explored and representative scenes performed in the appropriate style. Film and television will also be considered if there is interest shown. As in Drama 11, students could be expected to commit time and effort outside of regular class time to put on a major production. Stagecraft, lighting, make-up and directing skills will be taught as part of the production aspect of the course.

THEATRE COMPANY 10/11/12 (MDRTC10; MDRTC-11; MDRTC12)

Are you interested in working on a full scale production to be performed in front of an audience? Join Theatre Production and become part of the show. Acting and technical roles will be explored as we bring scripts to life. Some extra-curricular time may be required when we get closer to performances.

DIRECTING & SCRIPTING DEVELOPMENT 11/12 (MDRDS11; MDRDS12)

Students wishing to enroll in this course need to be dedicated and to have above average leadership qualities, communication skills and writing abilities. They will be expected to write and to direct scenes with Drama 9/10 students. Directing methods and playwriting will be formally studied. The final project for the course is the writing, directing and producing of a 20-30 minute one-act play in early January or June.

Acceptance into the course is by recommendation or permission of the instructor.

THEATRE PRODUCTION AND STAGECRAFT 9/ 10/11/12 (MDRD10; MD RTP-11; MD RTP12)

Are you interested in being a part of Drama but don't want to be onstage? Sign up for stage craft and help get the scenes on their feet by building the set, making props, creating costumes, organizing and running the lights. Without students in Stagecraft the play would be performed in the dark, on an empty stage, in silence. Come help us out and be a huge and important part of the Drama program.

Elective Programs | ARTS EDUCATION - MUSIC

BAND

CONCERT BAND 10 (INSTRUMENTAL MUSIC) (MMUCB10) (4 Credits)

This program is a continuation of Band 9. As the student improves in skill, technique and awareness, a higher standard of performance and understanding is expected. This course can be used for Fine Arts credit for graduation.

This co-curricular course will be offered after school and can be taken as a ninth course.

Strongly Recommended: Band 9 or permission of instructor

CONCERT BAND 11 (INSTRUMENTAL MUSIC) (MIMCB11) (4 Credits)

This senior program follows a content-performance program. That is theory, ear training, historical perspective, technique and all facets of musicianship are dealt with in the program. It is a senior level course surveying a wide variety of music and is intended to further enhance the musical understanding and the ability of the student.

This co-curricular course will be offered after school and can be taken as a ninth course. This course is a Fine Arts credit for graduation.

Strongly Recommended: Band 10 or permission of teacher

CONCERT BAND 12 (INSTRUMENTAL MUSIC) (MIMCB12) (4 Credits)

This program is a continuation of Band 11 and will adhere to the guidelines of the Provincial Curriculum Guide in Music. It is a content-performance program and will offer the students more advanced theory, ear training, instrumental technique and general musicianship.

This co-curricular course will be offered after school and can be taken as a ninth course. This course can be used for Fine Arts credit for graduation.

Recommended: Band 11 or permission of instructor.

JAZZ

Students in the Jazz Academy take Jazz Ensemble/Band as their main course, then if their timetable permits, Jazz Studies as their second course. To ensure appropriate instrumentation approval of the instructor is required for courses. Jazz Studies is open to all grade 9-12 students. As well as the courses listed in the booklet, there are various opportunities for students to participate in extra-curricular combos. Jazz players are strongly urged to elect Concert Band in addition to Jazz Band if their schedule permits.

Partnership with Vancouver Island University - Students with excellent grades in secondary-level Music courses, particularly Music Theory courses that are offered as a component of specialized Jazz Academy programs at Wellington Secondary school, may challenge 1st-year level Music courses offered at VIU through a process called Prior Learning Assessment (PLA). This offers graduates of secondary school Jazz Academy programs an opportunity to expedite their 1st-year university theory courses. This gives students greater flexibility in completing their degree requirements, and would save them money on the cost of regular courses.

JAZZ BAND 10 (INSTRUMENTAL MUSIC) (MMUJB10) (4 Credits)

This program is jazz oriented and involves students in learning the jazz idiom. The music is contemporary and a high standard of performance and musical understanding is expected. Improvisation is one of the central themes in this course. Students learn a variety of contemporary styles including swing, rock, Latin, jazz, waltz, et al. Students taking part in this program must show an inclination to the “extra work” required. Jazz 10 can be used as a Fine Arts credit for graduation.

JAZZ BAND 11 (INSTRUMENTAL MUSIC) (MIMJB11) (4 Credits)

This senior program is a continuation of Jazz Ensemble 10. Students will learn jazz ensemble performance skills, including various jazz styles, (swing, Latin, rock, ballads, etc.), articulations, jazz theory, jazz ear training, jazz listening and jazz improvisation. Students will also be made aware of basic jazz history. Students in this ensemble are committed to the endeavors of the band and its many performances throughout the year. This course can be used for Fine Arts credit for graduation.

To ensure appropriate instrumentation, approval of the instructor is required for this course.

JAZZ BAND 12 (INSTRUMENTAL MUSIC) (MIMJB12) (4 Credits)

This senior program is a continuation of Jazz Ensemble 11 and a course for students with a passion for learning and playing in an advanced level jazz ensemble. Students will learn jazz ensemble performance skills, including various jazz styles (swing, Latin, rock, ballads, etc.), articulations, jazz theory, jazz ear training, jazz listening and jazz improvisation. Students will also be made aware of basic jazz history. This course can be used for Fine Arts credit for graduation.

To ensure appropriate instrumentation, approval of the instructor is required for this course.

JAZZ STUDIES 10, 11, 12 (MMUVJ10; MCMJV11; MCMJV12) (4 Credits)

This senior program is the study of jazz improvisation in a jazz combo setting. Students will be introduced to advanced jazz theory, jazz history, advanced ear training, composition/arranging, concert management skills, computer music technology and audio recording skills. These courses can be used for Fine Arts credit for graduation.

To participate in the Jazz Studies course, students must also take Senior Jazz Band/Junior Jazz Band. To ensure appropriate instrumentation, approval of the instructor is required for this course.

RHYTHM AND BLUES (R&B) 10, 11, 12 (MMUCM10, MMUCM11, MMUCM12) (4 Credits Each)

The study of contemporary music allows students to apply previous skills and abilities to music that is modern and relatable to them. We can also offer the opportunity to improvise, create, arrange, and adjust music as

required, creating extremely creative opportunities for our students. While Jazz has many idioms we offer students (swing, latin, rock, etc.) R&B focuses on modern rock, pop, blues and music that regularly encompasses vocal and instrumental musicians.

Students will examine and apply the curricular competencies of exploring, creating, reasoning, reflecting (such as movement, sound, image, role of performer, elements, vocabulary), communicating, documenting, connecting and expanding (personal voice, audience, history, improvising, genres, traditions, taking personal risks). Students would be evaluated on musical concepts and technical ability via performance and repertoire. Students would also be working on music notation and understanding of music theory via aural transcriptions and arranging.

Open to vocalists. To participate in this course, instrumentalists must also take Senior Jazz Band/Junior Jazz Band. To ensure appropriate instrumentation, approval of the instructor is required for this course.

Elective Programs | **SPECIAL COURSES**

Peer Tutoring 10/11/12 (YIPS-0A; XAT—11PTS; XAT—12PTS)

Peer Tutoring 10/11/12 are courses designed for students of above average ability with excellent citizenship. Interested students must have shown exemplary skills in work habits, attendance, and demonstrated leadership qualities as well as a sincere desire to help others. Peer Tutors undergo training in study skills, learning styles, brain based learning strategies, communication, plus many other interpersonal skills. Tutors will be provided with rewarding opportunities to support fellow students and to develop their own tutoring and personal strategies for learning. All tutors are supervised by a Peer Tutoring teacher. (Open to students in Grade 10, 11 and 12.)

Outdoor Education 10 (XAT-10LSS)

Building on previous topics from Outdoor Education 9, Students will extend their knowledge and experience with the outdoor environment. This is a student-centered course that combines classroom content with outdoor excursions. It is designed to use the outdoor experience to enhance the participant's knowledge, self-confidence, self-discipline and positive character. Students will learn to utilize the outdoors as a classroom and incorporate many skills to live an active healthy lifestyle and develop a positive attitude toward environmental stewardship, culture and community. Students will learn from both modern and traditional First Nations resources that encourage empathy, sustainability, and social responsibility. Student will engage and learn skills in human powered activities such as, wall and rock climbing, rappelling, hiking, cross country skiing, camping skills, mountain biking, basic survival, outdoor risk assessment and flat water paddling. Students will also be taught basic CPR and First Aid. Students will also learn about Canadian wildlife, local habitat and conservation. Students will have an opportunity with archery and fishing. This course is designed for students that enjoy recreational outdoor sports and want to learn how to be a leader in the outdoor setting such as summer camps. Students will begin to learn basic outdoor leadership skills that can be applied to other areas of their lives.

Work Experience 12 (MWEX-2A)

Work Experience 12A is a Ministry elective course that allow students to acquire elective credits through work-based training. This course provides students the opportunity and experience outside of school to expand workplace skills and career life options while providing opportunities for self-discovery. Students work a minimum of 90 hours in one or more work placements in one or more focus areas. Students will earn elective credits for graduation, connect classroom learning in the workplace, practice resume writing and job acquisition skills, learn transferable workplace skills, build a network of industry or workplace contacts, realize personal strengths and potential, and develop a relationship with community.