



WELLINGTON
SECONDARY SCHOOL

**GRAD PROGRAM COURSE
PLANNING GUIDE
GRADE 10, 11, 12
2017-2018**

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 down 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 & Focused Literary Studies 10
Composition & New Media 10
Composition & Spoken Language 10
Composition 11
Creative Writing 11
Focused Literary Studies 11
New Media 11
Spoken Language 11
English 12
English 12 First Peoples
Communications 12

SOCIAL STUDIES

Social Studies 10
Comparative Cultures 11
20th Century World History 11
BC First Peoples 11
Asian Studies 11
Social Justice 11
Law Studies 12
Psychology 12
Physical Geography 12
Economics 12

PHYSICAL EDUCATION

Physical & Health Education 10
Physical & Health Education 11
Physical & Health Education 12
Fit For Life 11
Fit For Life 12

MATHEMATICS

Workplace Math 10
Foundations of Math and Pre-Calculus 10
Workplace Math 11
Foundations of Mathematics 11
Pre-calculus 11
Computer Science 11
Foundations of Math 12
Pre-calculus 12
Calculus 12

SPECIAL COURSES

Human Services 11/12
Career Explorations 12

INFORMATION TECHNOLOGY

Computer Studies 10
Computer Science 11
Computer Programming 11
Computer Programming 12
Media Arts 11
Digital Media Development 12

SCIENCE

Science 10
Life Sciences 11
Anatomy & Physiology 12
Chemistry 11
Chemistry 12
Physics 11
Physics 12
Earth Science 11
Engineering 12

LANGUAGES

French 10
French 11
French 12
Spanish 10
Beginners Spanish 11
Spanish 11
Spanish 12

TECHNOLOGY EDUCATION

Skills Exploration 10 – 12
Woodwork 10
Drafting 10
Power Technology 10
Woodwork 11
Woodwork 12
Drafting 11
Drafting 12
Furniture & Cabinetry 12

CAREER EDUCATION

Career Education 10
Graduation Transitions 12

HOME ECONOMICS

Interpersonal & Family Relationships 11
Child Development & Caregiving 12
Fashion Design 11/12
Fashion / Sewing 11/12
Food Studies 10
Food Studies 11
Food Studies 12

BUSINESS EDUCATION

Accounting 11
Accounting 12
Marketing 11
Marketing 12
Desktop Publishing (Yearbook 11)
Entrepreneurship 12

VISUAL AND PERFORMING ARTS

Art 10
Art 11
Art 12
Studio Arts: Drawing & Painting 11
Studio Arts: Drawing & Painting 12
Art Honours 11
Art Honours 12
Studio Art: Visual Journal/Art journal 11
Studio Art: Visual Journal/Art journal 12
Photography 10
Photography 11
Photography 12
Drama 10
Theatre Performance 12: Acting
Directing and Scriptwriting 12
Theatre Production & Stagecraft 9-12
Theatre Company 10-12

BAND

Music 10 (Concert Band)
Band 11: Instrumental Music (Concert)
Band 12 (Concert)
Jazz Band 10
Jazz Band 11
Jazz Band 12
Jazz Studies 10/11/12
Vocal Jazz 11/12

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: <http://www.bced.gov.bc.ca/graduation/>
- Curriculum Document: <https://curriculum.gov.bc.ca/curriculum/10-12>

FINANCING YOUR FUTURE

Scholarships and Bursaries

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, 2016. Last year Wellington received 19 + 1 additional one that was unused from another school. The application will be online for students to apply and I encourage you to direct students to 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>

The Ministry does offer a secondary school apprenticeship \$1000 scholarships but they are administered by the CTC program. Last year the District received 8 awards... <http://www2.gov.bc.ca/gov/content/education-training/k-12/support/graduation/getting-credit-to-graduate/career-and-skills-training/apprenticeship-and-trades/secondary-school-apprenticeship-ssa>

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

Secondary School Apprenticeship Scholarships

Secondary school apprentices can qualify for a \$1,000 scholarship if they have:

Been registered in a school district Secondary School Apprenticeship Program prior to graduation

Graduated with a Grade 12 Dogwood Diploma or Adult Dogwood

Successfully completed SSA 11A, SSA 11B, SSA 12A, and SSA 12B

Maintained a C+ average or better on Grade 12 numbered courses

Continued working or training full-time in the trade 5 months after secondary school graduation or have 1100 hrs reported to ITA

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 www.nlsf.ca for details.

Other Awards

Many other scholarships and awards are available to graduating students. Excellent websites include:

www.studentscholarships.org

www.studentawards.com

www.scholarshipscanada.com

DISTRICT PROGRAMS

CAREER TECHNICAL CENTRE (CTC)

A significant labour shortage in British Columbia is projected over the next ten years; perhaps over a million job opportunities will be available. The Career Technical Centre offers programs that allow students to learn more about “in demand” jobs, gain work-based training, and/or earn post-secondary training while attending high school. Contact the CTC today to begin the career path that’s right for you.

*BC’s Labour Market Outlook 2014-2024

<http://www.welcomebc.ca/Work/labour-market-outlook.aspx>

Please visit the CTC website to register or learn more about our programs. In most cases, these programs are for students that are under the age of 19 years old. See program requirements for more details.

REGISTER TODAY: www.ctc-careerpaths.ca

DUAL CREDIT – TRADES AND APPLIED SKILLS (formerly known as CTC or AceIt)

This program is open to grade 12 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.

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 Admin Assistant, Legal Secretary, or Accounting Assistant | Automotive Service Technician | Automotive Collision Repair | Automotive Refinishing | Baker | Carpenter | Professional Cook Level 1 and 2 | Electrician | Hairdresser | Heavy Duty Mechanic | Heavy Equipment Operator | Health Care Assistant | Horticulture | Information Technology & Applied Systems | Power Sport Marine & Motorcycle Technician | Refrigeration Mechanic | Welder

Students are encouraged to consult with their school counselor about this graduation option. Although basic requirements vary from program to program, a passion for the trades training or applied skills program is considered a minimum standard for program consideration. Applicants must complete an assessment prior to acceptance in this program. Registration is ongoing. See website for program deadlines.

TRADES DISCOVERY - VIU

The Trades Discovery Program (TDP), offered at the VIU campus, from February-April, provides a hands-on experience in a variety of in-demand trade careers. Although this course is very popular, it is not offered every school year so please check the CTC website in December or January to see if it will be offered in February. For May and June, students complete academic courses with Learn@home and/or earn work based training hours and credit for work experience or secondary school apprenticeship.

DUAL CREDIT – ENRICHMENT - VIU

These courses are open to grade 11 students. Courses are attended during grade 12.

The Dual Credit Enrichment program provides full access to classes for the strongest applicants who are entering post-secondary studies for the first time! High school transcripts must show a minimum of three “A” grades and one “B” grade. These grades must be attained in English 11, plus three additional Grade 11 courses. If you qualify, you do not want to miss this opportunity to be awarded the highest priority for registration to almost all first year courses. Information sessions are usually in early February. Registration is ongoing and online. Successful applicants will be contacted and registered in early May. Students can enrol in up to two courses per semester and four courses per year. The tuition is paid for by the school district but students are responsible for the application fee, student fees, materials, and textbooks. It is important to discuss this option with your counsellor and parents. Both high school credit and university credit is earned. See the CTC website for deadlines.

DUAL CREDIT – Special Admissions

These courses are open to grade 12 students.

Students can enrol in university courses during grade 12 and receive both grade 12 elective credits and university credits. Students who meet program requirement or have talent in a particular area of study are encouraged to check into this incredible opportunity. Many programs require the completion of a first-year English course. All first year English courses have a prerequisite of English 12 with a minimum grade of “C”. If accepted, students can choose to take up to four courses a year and have their tuition paid. It is important to discuss this option with your counsellor and parents. See the CTC website for more information about course selections and deadlines to apply. For additional information about this program, and to learn more about “Special Admission” see the VIU website, www2.viu.ca/dualcredit.

DUAL CREDIT – COHORT - VIU

These courses are open to grade 12 students.

VIU may offer a university course at one of the district high schools. This course will be offered in the late afternoon or evening to ensure that it does not conflict with regular high school classes and it is open to all students in the district. See the website to see when and where the next course will be offered. The application process and entrance requirements will be the same as “Special Admissions”.

INTRODUCTION TO TRADES - NDSS

This program is open to grades 11 and 12 (special permission may be given to grade 10’s)

This semester long program, located on the NDSS campus, allows students to complete academic classes and participate in daily hands-on learning. Students have the potential to earn up to 4 courses or 16 credits. Most students choose to complete Math and English or Communications. Trades related projects promote skills in carpentry, plumbing, electrical and basic welding. Projects are usually done on site but sometimes students will work offsite on projects or mentor elementary students. Transportation is available from most schools. This program is available during both semesters so students can leave or return to the parent school. The goal of this course is to help prepare students for a future in construction or create a pathway to the Dual Credit Trades and Applied Skills program (formerly known as CTC or AceIt).

WORK EXPERIENCE 12 The minimum age for this course is 14 years old.

The work experience program helps students prepare for the transition from secondary school to the world of work. Through work site experiences, students have the opportunity to observe and practice generic employability skills required in the workplace, as well as technical and applied skills relating to specific occupations or industries. In most cases, work experience consists of non-paid placements. Hours begin AFTER the registration package has been approved. If the student is employed then the employer sponsors must provide WCB coverage. The Province covers WCB for non-paid employment placements. Registration is ongoing.

SECONDARY SCHOOL APPRENTICESHIP (SSA)

This program is open to youth ages 15 – 19 years. Employers must provide a registered ITA employer sponsor.

Secondary School Apprenticeship enables students to begin earning work-based training hours. Hours will be registered and applied toward a student’s apprenticeship, and accumulated hours allow students to earn up to 4 courses or 16 credits. Additionally, SSA students may be eligible for a \$1000 scholarship. This scholarship is intended to assist the apprentice with the purchase of tools, equipment, materials or tuition necessary to continue in their trade. Hours begin AFTER the employer is registered as a sponsor and the application package has been approved. The employer sponsor must provide WCB coverage for SSA students. Registration is ongoing.

Core Programs | **ENGLISH**

The aim of the ELA 10–12 curriculum structure is to maximize students' chances of success by allowing them to choose the areas of choice that are most engaging for them and to achieve deeper learning. Because the curriculum has been redesigned to be less prescriptive and more flexible, there are increased opportunities for students to pursue their interests, aspirations, and passions and to benefit from more specialized areas of language arts study.

GRADE 10 ENGLISH LANGUAGE ARTS OPTIONS:

COMPOSITION:

Composition 10 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.

CREATIVE WRITING 10:

This course 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.

FOCUSED LITERARY STUDIES 10:

This course 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.

NEW MEDIA 10:

This course 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.

SPOKEN LANGUAGE 10:

This course 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.

GRADE 11 ENGLISH LANGUAGE ARTS OPTIONS:

COMPOSITION 11:

Composition 11 is designed for students who have an interest in refining their skills in written communication in a variety of contexts, as they continue to explore, extend, and improve their writing. 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 compositions. Composition forms may include narrative, expository, descriptive or persuasive pieces and specific attention will be on thesis development, structure and citations.

FOCUSED LITERARY STUDIES 11:

Focused Literary Studies 11 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.

CREATIVE WRITING 11:

Creative Writing 11 is designed for students who are interested in using writing for self-expression and other various creative purposes. Students will collaborate and develop their skills through writing and design processes for creating opportunities to become better writers. 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.

NEW MEDIA 11:

New Media 11 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.

SPOKEN LANGUAGE 11:

Spoken Language 11 provides opportunities for students to study, create, and use language to produce original pieces in a variety of modes, such as 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.

GRADE 12 ENGLISH LANGUAGE ARTS OPTIONS:

ENGLISH LANGUAGE ARTS 12

This course 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

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.

COMMUNICATIONS 12

This course builds on skills developed in Communications 11. Although Communications 12 is a substitute for English 12 as a graduation requirement, students who anticipate going on to post-secondary education are advised that this course **is not accepted for university entrance or to most university transfer programs at community colleges.**

SOCIAL STUDIES 10

Canada and the 21st Century up to Today.

There are three major concentrations in Social Studies 10 that students will investigate:

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.

COMPARATIVE CULTURES 11

The aim of Comparative Cultures 11 is to explore the meaning of "culture" through an investigation of the power structures, values, and practices of various cultures". There is a considerable emphasis on comparing cultures across time and space, for example, comparing our own culture to that of ancient Greece or modern China. Students should be prepared for an intellectual challenge through stimulating readings and lively debate. Content will focus on Mesopotamia, Egypt, Greece and Rome, China, North American Aboriginal Culture and the Mayans of Central America. Students will analyze a variety of modes where culture is exhibited including music, literature, film, art and architecture. Students should keep in mind that comparative cultures 11 is an excellent university preparatory course for those students interested in the Arts and Humanities (History, English, Anthropology, Art, Archeology, and Sociology).

20th CENTURY WORLD HISTORY 11

This elective course in 20th Century World History should help students gain a clearer understanding of the world in which we live. Topics include the legacy of the 19th century, leading to World War I, the Russian Revolution, the League of Nations; the search for security as totalitarian states emerged; World War II, the Cold War; the developing world; the United Nations Organizations; efforts to secure peace; and other current topics.

This course has extensive reading requirements and it is suggested that students should have a "C+" in SS 10 before enrolling in World History 11.

BC FIRST PEOPLES 11

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 Nations 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 own government systems. The results of the recent 'Truth and Reconciliation' document produced by the Federal government will be investigated, and finally the course will view many of the recent challenges facing BC first Nations today.

ASIAN STUDIES 11 - 1850 to Present

The fact is that Asian people and their cultures have been are becoming more and more an integral part of the BC's community as a result of increasing immigration and economic bonds. Some say that we are closer related to Asia than central and eastern Canada. Whatever the case may be it is important that we get to know our neighbours to the west so that we can better understand how we influence each other culturally, economically and environmentally.

Asian Studies 11 looks at the historical and contemporary impact that the many Asian cultures have had in BC and around the world in the last 160 years. From railway building to cell phone communications this is the story of a fascinating culture.

SOCIAL JUSTICE 11

In Social Justice 11 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 to list a few. Through discussion and inquiry students will discover the processes that promote social justice, including, recognizing injustice, fair-mindedness, embracing diversity, empathy and taking action to list a few. If you are a student that cares and want to make a difference, then this is the course for you.

LAW STUDIES 12

Law 12 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 and acquiring and safeguarding real and personal property, and legal contacts. 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.

PSYCHOLOGY 12

Psychology 12 is an elective course for Grade 11 and 12 students who plan to take university training in psychology and related fields. Students will study a variety of psychological theories and apply these to daily living. Some topics include: psychological testing and measurement, the processes of thinking, memory, and brain-function and stress management. This course does not fulfill Ministry requirements for Social Studies.

PHYSICAL GEOGRAPHY 12

If you liked ‘earth science’ and are fascinated by how all the systems of the earth work and have been inter-related for the last 4.5 billion years, then you’ll love physical geography 12. 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 systems, such as melting glaciers, rising rivers, and extreme winds. Students will determine how these changes are affecting various biomes around the world that are resulting in drought, rising sea levels and extinctions of many species. Students will study the historical to contemporary 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.

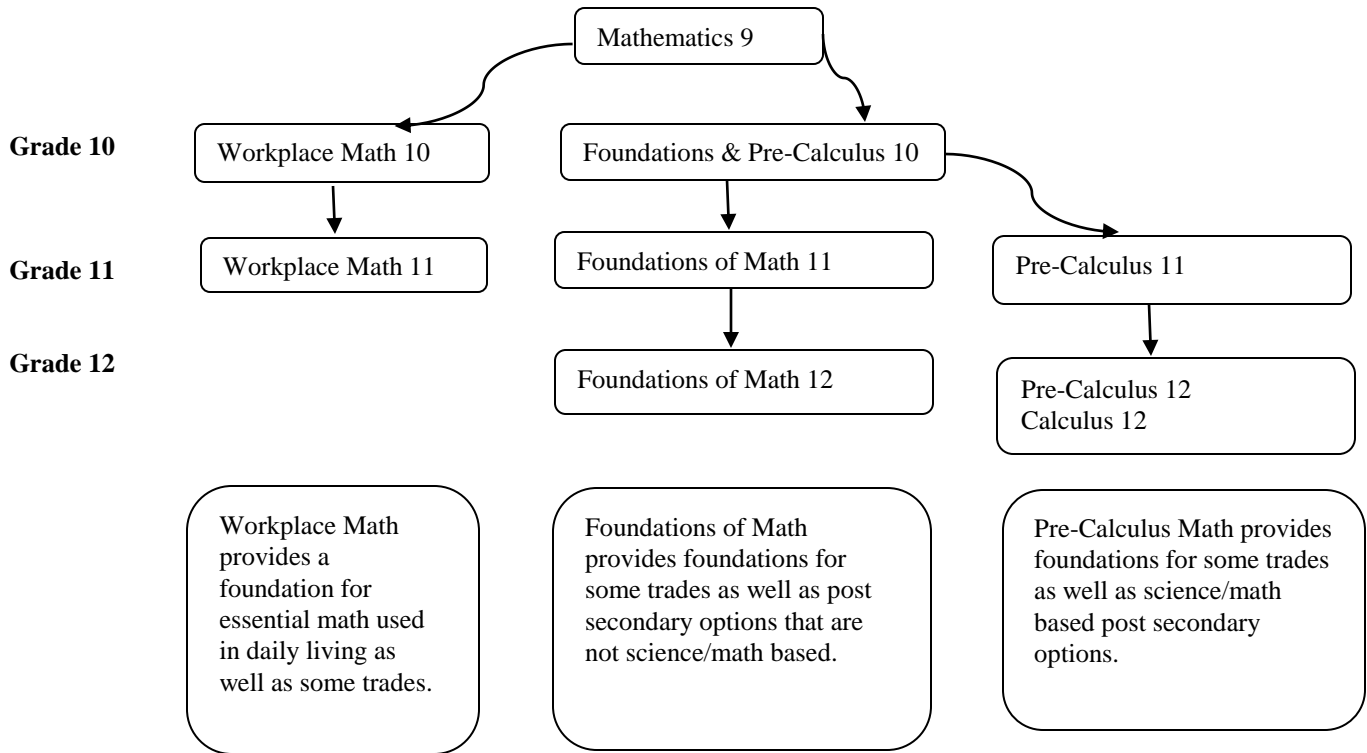
There will be a study of how humans have been managing our environment looking at such topics as fresh water, habitat destruction and re-habilitation, water, air and land pollution, carbon collection, acid rain, ozone depletion, waste management and sewage treatment to list a few. This course should 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’.

ECONOMICS 12

If you have an interest in what processes makes businesses and/or economic programs succeed or fail, then Economics 12 is for you. During this course, students will use the inquiry approach and other research tools to build their knowledge of economics. They will understand the impact of government decisions on the factors of production and on the economy, evaluate elements that affect growth, the creation of wealth, and the distribution of income in an economy. Students will assess the ways in which economic principles apply differently to individuals and nations, and identify how economic performance is monitored, measured, and reported. They will evaluate the impact of information technology on the factors of production in an economic system.

These are some of the many topics that will be studied in Economics 12 that make it a ‘must do’ course for the business minded student of today.

Core Programs | MATHEMATICS



MATH PATHWAYS

The Goals of the New Pathways

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 new curriculum includes *seven mathematical processes* that are crucial to students' learning, doing, and understanding Mathematics. Students are expected to:

- use communication in order to learn and express their understanding.
- make connections among mathematical ideas, other concepts in mathematics, everyday experiences and other disciplines.
- demonstrate fluency with mental mathematics and estimation.
- develop and apply new mathematical knowledge through problem solving.
- develop mathematical reasoning.
- select and use technology as a tool for learning and solving problems.
- develop visualization skills to assist in processing information, making connections and solving problems.

GRADE 10 MATH OPTIONS:

WORKPLACE MATHEMATICS 10

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

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

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

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

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

COMPUTER SCIENCE 11 (4 credits and credit as a Math 11)

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 • ways to model mathematical problems.

Learn Math by creating video games... How cool is that. ☺

GRADE 12 MATH OPTIONS:

FOUNDATIONS OF MATHEMATICS 12

This course has been designed for students heading to university in the humanities. 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

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

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.

Prerequisite: MA 12 or strong recommendation from Math teacher

Core Programs | **SCIENCE**

SCIENCE 10

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 Biology 11 and 12 are required prerequisite courses for many post-secondary and apprenticeship programs. Please see your counsellor or the Student Support Centre to determine which prerequisites you require for your area of interest.

BIOLOGY 11 (LIFE SCIENCES 11)

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 Biology 12 (Anatomy and

Physiology 12). Biology 11 is strongly recommended for students wishing to take Biology 12 (Anatomy and Physiology 12).

CHEMISTRY 11

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 Anatomy and Physiology 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

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

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

GRADE 12 SCIENCE OPTIONS:

BIOLOGY 12 (ANATOMY & PHYSIOLOGY 12)

BIOLOGY 12 (Anatomy & 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: Biology 11 and Chemistry 11

CHEMISTRY 12

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

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

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 Education**

Goals

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

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

General Information

1. Physical 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.**

PHYSICAL AND HEALTH EDUCATION 10 (required course)

In this course 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

PHYSICAL EDUCATION 11 COED

Physical Education 11 emphasizes an active and healthy lifestyle. It also has a strong focus on developing student initiative and leadership skills. The program will consist of activities which use both school and community facilities. The focus of this course will be to introduce the PE 11/12 course options that will be offered next year with the implementation of the new 2018 Curriculum. Therefore: this course will focus on the following three areas: **Active Living through Sports; Fitness and Conditioning and Outdoor Education.** We would like to recommend that students that select PE 11 are self-motivated and have a keen interest in pursuing at least one of the three curricular areas listed above. Please note that outdoor education may take place in a variety of environments and conditions.

***Recommended: PE 10**

****Physical Education 11 will help students meet their personal health requirement for their Grad Transitions course.**

PHYSICAL EDUCATION 12 (COED)

(Recommended: Physical Education 10 & 11 or permission from the instructor)

Physical Education 12 emphasizes **lifetime health and wellness pursuits** begun in Physical Education 11. A wide array of traditional and community activities will be pursued in Physical Education 12. The course seeks to further develop student leadership, communication and organizational skills through either student lead activities in class; student lead intramural activities or involvement in student lead elementary school activities. A minimum of 10 hours of leadership/volunteer time in the school or community is required. We would like to recommend that students that select this course are self-motivated and have a keen interest in pursuing lifelong health and wellness pursuits and student leadership opportunities. Please note that outdoor pursuits may take place in all kinds of environments and conditions.

***Recommended: PE 11**

****Physical Education 12 will help students meet their personal health requirement for their Grad Transitions course.**

FIT FOR LIFE - PE 11 Girls

The aim of physical education is to enable all students to enhance their quality of life through active living. PE 11 and 12 provide opportunities for students to experience a variety of recreational pursuits, career interests, and activities that promote lifelong, healthy living.

FIT FOR LIFE - PE 12 Girls

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

1. **Recreational Activities** such as hiking, canoeing, sailing, skiing, and dragon boating
2. **Recreational Sports** such as golf, tennis, racquet ball and beach volleyball
3. **Lifetime Fitness Activities** such as yoga, Zumba, Pilates, bootcamp 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.**

FRENCH AS A SECOND LANGUAGE

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

The four skill areas of reading, writing, listening and speaking are all stressed 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.

FRENCH 11

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.

Recommended: French 10 with a mark of “C” or better.

FRENCH 12

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!

BEGINNERS' SPANISH - *Open to Grade 9, 10, 11 and 12 students*

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 Beginner's Spanish 11 may go directly into Spanish 11.

SPANISH 11

Recommendation prior to taking Spanish 11 is Spanish Beginners' 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

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.****

Elective Programs | **BUSINESS EDUCATION**

ACCOUNTING 11

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

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

DESKTOP PUBLISHING (YEARBOOK) 11

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.

MARKETING 11 / MARKETING 12

Marketing skills and strategies are applicable to every career and lead to the development of desirable personal attributes. The practical, activity-based nature of the course provides a framework for creative application of retailing concepts. Students will have the opportunity to learn how to be productive and motivated employees and gain confidence in their abilities to proceed with ideas for creative self-employment.

Either Retail Marketing or International Marketing service industries will alternate as themes. This course counts

as an Applied Skills elective.

ENTREPRENEURSHIP 12

Entrepreneurship 12 will provide enterprising students with:

an opportunity to explore the pros and cons of working for yourself as well as a chance to answer the question, “Do I Have What It Takes?”

Experience in writing business plans to develop their own business idea. The focus on Youth Entrepreneurialism may be enhanced with a hands-on opportunity to develop a short term “school store” which will be student managed and operated. Topics in this course include: the role of small business in Canada’s economy; demographic characteristics of entrepreneurs; self-assessment of entrepreneurial skills; advantages and disadvantages of small business ownership; evaluation of business opportunities; resources available to support business ideas, networking; and formulating the business plan.

Elective Programs | **INFORMATION TECHNOLOGY**

COMPUTER STUDIES 10 (4 credits)

This course will give students the fundamental computer technology skills they will need in their future workplace. Students will learn skills that will help them in a business/office, graphical art and computer programming context.

Topics include...

Computer hardware (what’s inside that black box),

Digital Literacy over cloud based and desktop based applications.

Graphic applications (Photoshop),

Business Applications (Microsoft and Google)

Programming Languages (Visual C# and Unity Game Engine)

Digital Ethics

Evolution of Technology.

COMPUTER SCIENCE 11 (4 credits and credit as a Math 11)

This academic 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 • ways to model mathematical problems.

Learn Math by creating video games... How cool is that. 😊

COMPUTER PROGRAMMING 11 (CP11) (4 credits)

While similar to about 70% of Computer Science 11, this course allows students to experience Video Game Programming at a slightly reduced pace. Basic programming concepts, logical and decision making statements and loops will be covered. 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 create an adventure type game where a 3d character has to successfully survive a perilous environment.

COMPUTER PROGRAMMING 12 (CP12) (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. As such the Visual C# program will be primarily used with support from the Unity Game Engine.

Specific Areas of Study will include subroutines, parameters, arrays, classes, and files. A large final project done with either C# or Unity will be expected.

Strongly Recommended: Computer Programming 11

MEDIA ARTS 11 (FORMERLY DIGITAL MEDIA 11) This course is open to Grade 10, 11 and 12 students.

This course allows the students to explore the world of 2D graphics and 3D animation using industry standard software (3D Studio Max and Adobe Photoshop, Premier and Unity).

Topics of study will include:

2D graphics (Photoshop)

3d modeling (3D Studio Max)

3d animation (3D Studio Max)

Film Editing (Adobe Premier)

Student projects in Photoshop will range from simple photo editing to product brochure construction.

Student projects in 3d modeling will include the modeling of an amusement park in 3d.

Student animation projects could involve the creation of a 3-minute short movie using characters modeled by the student.

DIGITAL MEDIA DEVELOPMENT 12 ICTM 12 5689

An extension of the DMD 11, this course expands on the skills taught in DMD 11. The objective of this course is to give the student a taste of what it might be like to work for Pixar or Disney. The main area of study is character construction, rigging and animation. The student will create a humanoid 3d modeled character that will be animated and become part of a video. Working in a group will be emphasized as a final project will be a 5-10 minute animated movie. Students will then have the perfect item to include in their art portfolio.

Strongly Recommended: Digital Media Development 11

Elective Programs | **TECHNOLOGY EDUCATION**

WOODWORK 10

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

DRAFTING 10

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.

POWER TECHNOLOGY 10: General

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 11

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.

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

DRAFTING 11

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.

FURNITURE AND CABINETRY 12

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: Carpentry and Joinery 11

DRAFTING 12

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

SKILLS EXPLORATION: 10-12

This course is 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 SSA. 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 | **HOME ECONOMICS**

Interpersonal and Family Relationships 11

“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

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 11/12

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

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 this course 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 you are given opportunities for more self-directed and personally creative projects.

FOOD STUDIES 10

Cuisine Across Canada is the focus of this course. Learn how to prepare foods that are fun, fast and fantastic while you explore Canada through its unique food styles. The focus will be on culinary foods, techniques and preparation methods. Healthy lifestyles and Canada’s Food Guide will also be covered.

FOOD STUDIES 11

A Discovery of Cuisines – Develop a higher level of culinary skills. Learn the why’s and how’s through creative meal planning and food preparation. Explore new foods and flavours! Students plan, prepare and enjoy a variety of international foods. Learn how to apply key concepts of healthy eating.

FOOD STUDIES 12

A Variety of Cuisines – This class is for the gourmet in you! More global recipes are discovered. Social and economic factors relating to food are also explored. Students are granted greater freedom of recipe choice. Learn about herbs and spices to enhance recipes. Meal planning, budgeting and healthy living will be covered.

All Home Economics Foods Courses cover the topics: safe and sanitary food practices, healthy lifestyle, and food preparation for the individual and family

Elective Programs | **VISUAL ARTS**

ART

All elective art courses will provide students with an outlet to the more creative side of expression in the visual 2-D and 3-D form. Whether you decide to take art just to “chill” and have an opportunity to relax, be creative and develop some skills along the way or you have a more serious intent and interest in acquiring skills/knowledge to support prerequisites for various career paths such as industrial, graphic, fashion or interior design, architecture, engineering, animation and computer game design, all courses listed below will meet the needs of all interested individuals. Some basic supplies for courses may be expected. They may include:

- Sketchbook
- Ruler
- Eraser
- Shading pencils

ART 10

The elements of the Grade 9 program are reviewed, with a higher level of maturity expected from the students. Many independent art assignments are due over the course of the year. Short and longer assignments cover the core areas of drawing, painting, graphics and sculpture. Students are expected to buy some supplies. This course meets the Fine Arts graduation requirement.

ART 11

Students in Art 11 will receive a broad range of experience and instruction in, and practice with, the following design elements: line, composition, perspective, form (light and shadow), shape and texture.

Students will complete drawings or sketches related to assigned projects in addition to weekly assigned sketches. Students will also complete selected major assignments per month from the following media: Pen and Ink, Printmaking, Charcoal, Pencil, collage, Water Colour, Acrylics, and Sculpture material. Students will explore some of the more newly developed materials discovered in the art world that are used in contemporary art today. Independent projects will also be assigned where students are offered the opportunity to explore in more depth a medium (art material) of their preference. This course meets the Fine Arts graduation requirement.

ART 12

This course is intended for students wishing to continue their study in art in four visual expression areas: drawing, painting, printmaking and sculpture. Where applicable, 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 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 that may/may not be in line with career direction. Projects assigned will meet educational portfolio guidelines for first year entry towards careers in interior design, graphic and visual arts programs. Students are expected to purchase some art supplies. This course meets the Fine Arts graduation requirement.

Strongly Recommended: Art 11

STUDIO ARTS 11 - DRAWING & PAINTING

This course will provide opportunities for students to engage in a focused and in-depth study in a selected/chosen area from the following: Drawing and Painting, Ceramics/Sculpture, Printmaking/Graphic Design and Fabric/Fiber. Students will engage in the study of image development, context and elements and principles of design while developing knowledge and skills in relation to the materials, process, and technologies particular to the chosen visual expression area.

STUDIO ARTS 12 - DRAWING & PAINTING

This course provides students with the opportunity to either continue study in the interested visual expression focused in Grade 11 or delve into another area for further examination and practice; allowing an opportunity to further hone in and improve their skillset. Students may choose from the following four areas: Drawing and Painting, Ceramics/Sculpture, Printmaking/Graphic Design and Fabric/Fibre. To further develop the student's level of sophistication, complexity and independence in their own style and technique, exploration of significant artist, artworks and movements are studied.

ART HONOURS 11

A variety of materials, methods, and techniques used in 2-dimensional and 3-dimensional art making will be offered; providing a framework where students will have the opportunity to further strengthen their artistic skillset with a greater degree of sophistication and complexity. A deeper exploration of media will be provided, enabling students to study, critique and discover creative avenues to express their ideas. There will also be opportunity to individualize work, based on personal interest. There will be greater emphasis on problem solving within the artistic process, requiring students to be independent, self-motivated and competent in this area of study. Increased attention will be given to the process, research and development in the making of individualized artworks.

Prerequisite: Students who demonstrate a strong work ethic and serious commitment and passion towards Art - drawing and painting.

ART HONOURS 12

Students who completed Art Honours 11 successfully *last year*, 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 goals, as well as the choice of direction they would like to move towards related to their artistry.

Prerequisite: Strong sense of independence with 87%+ in any of the grade 11/12 art courses offered. Recommended completion of Art Honors 11 (*but not mandatory at teachers' discretion*).

STUDIO ART: VISUAL JOURNAL/ART JOURNAL 11/12

This art course focuses on the creation of visual art journals, the book as art. Students will learn skills and techniques that are used to create pieces of artwork that become pages of each student's visual journal. A variety of traditional media like, charcoal, paint, pen and ink and collage will be explored. However, the students will also learn a variety of bookmaking techniques, photography, and skills for creating pop-up books. Although the course focuses on the physical manipulation of media, rudimentary Photoshop skills will be employed to create a variety of digital art works that will become part of the students' visual journal.

PHOTOGRAPHY 10

This course is an introduction to the fine art of black and white photography. Students learn to use traditional 35mm film cameras to capture images and create prints. Students will learn to manipulate the manual features of a camera including focus, shutter speed and aperture. Students who have a DSLR will have many opportunities to use their camera in advanced ways. There are many different project types that students will create that are simple and creative.

Wellington's photography department is equipped with many film cameras for students to borrow to complete class projects, however students should have their own digital camera (a point and shoot is suitable). Photo students create many prints in Wellington's darkroom and most students remit a course enhancement fee to cover the cost of these additional materials.

Students will learn darkroom procedures and special effects, such as double exposure and hand toning. Students will also be introduced to the basics of using a digital camera and create simple projects using Photoshop computer software.

PHOTOGRAPHY 11

This course is open to any student, regardless of photography experience; the class is divided into two groups; beginning photography and advanced photography. Beginning photo students learn the skills and procedures of Photography 10 students but receive a grade 11 credit course.

For students who have studied the beginning photography principles, they are placed into the Advanced Photography group.

This course provides further study into the art of photography and builds on the skills developed in Beginning Photography. Students will expand their experience by completing projects that range from the use of Photoshop, printing in the darkroom to create more complex projects. Students will also explore alternative styles of photography like cyanotype and/or pinhole photography.

Students will remit a course enhancement fee to pay for the use of extra materials for the purposes of making prints. Students often have the choice of working digitally or in the darkroom, at the student's expense.

PHOTOGRAPHY 12

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 | **PERFORMING ARTS**

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 (Drama 10: General)

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.

THEATRE PERFORMANCE 11: ACTING

Acting 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.

THEATRE PERFORMANCE 12: ACTING

The groundwork in Acting 11 will be put to good use in Acting 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 Acting 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.

DIRECTING & SCRIPTWRITING 11/12

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 COMPANY 10/11/12

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.

THEATRE PRODUCTION AND STAGECRAFT 9/ 10/11/12

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 stage craft the play would be performed in the dark, on an empty stage, in silence. Come help us out and be a huge & important part of the Drama program.

BAND

MUSIC 10: CONCERT

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

BAND 11 INSTRUMENTAL MUSIC (CONCERT BAND)

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

BAND 12 (CONCERT BAND)

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

MUSIC 10: JAZZ BAND

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

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

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

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. This course can be used for Fine Arts credit for graduation.

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

VOCAL JAZZ 11 /12

This course is for students committed to the study of jazz and who wish to explore challenging repertoire within the vocal jazz idiom. The course will cover some jazz theory and history. Beginning improvisation and solos are part of this course. Jazz Studies is open to all grade 9-12 students, but to participate in Jazz Studies, students must also take Senior/Junior Jazz Band.

Elective Programs | **SPECIAL COURSES**

HUMAN SERVICES 11A/12A

Peer Tutoring 11/12 is a course 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.)

CAREER EDUCATION 10

Planning 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. In additions, students will lay the foundation for their Grade 12 Graduation Transitions.

GRADUATION TRANSITIONS

As part of the new graduation process, all students in British Columbia must now complete Graduation Transitions. The Graduation Transitions process begins in Planning 10 and continues through Grades 11 and 12. Graduation Transitions 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 Planning 10 course, students are introduced to Graduation Transitions and will meet some of the criteria as part of the regular course work. Students will complete Graduation Transitions in Grade 12, with the guidance of a Graduation Transitions advisor.

CAREER EXPLORATIONS 12

Students complete a minimum of 100 hours of paid or volunteer work experience, and/or training to prepare them for the world of work. Students are required to secure their own work or volunteer opportunity and to complete paperwork that supports the program – inclusive of application, resume, cover letter, interview, reflective learning and evaluation.