

MAPLE RIDGE SECONDARY SCHOOL

ÉCOLE SECONDAIRE MAPLE RIDGE 2025-2026

CREATING COMMUNITY, PROVIDING OPPORTUNITY



We would like to acknowledge that our school is located on the traditional and unceded territory of Katzie First Nation and Kwantlen First Nation. We welcome and recognize all of our First Nations, Métis, and Inuit students and families in our school and MRSS community.

As well, we want to welcome and recognize the many different cultures that are represented in our school and community.

Program Choices

Maple Ridge Secondary School has several programs available to its students. These choices will vary according to the subject area and the grade.

REGULAR (ENGLISH OR FRENCH IMMERSION)

The regular curriculum for that course for a particular grade. This is the standard course curriculum and expectations as defined by the Ministry of Education.

FRENCH IMMERSION

By continuing in French Immersion, students maintain and extend their expertise in French. Being part of a specialty program in high school provides meaningful connections for students with their French Immersion peers and teachers while fully experiencing all the other opportunities of the high school environment. This program enables students to build upon their foundation language skills and develop greater confidence in using French with increasing precision and sophistication. Students who complete the program and the grade 12 provincial exam successfully, will receive their bilingual Dogwood certificate.

ADVANCED PLACEMENT (AP)

Advanced Placement (AP) is a program of acceleration and enrichment that allows gifted or highly motivated students to begin college or university studies while still in secondary school. This program is recommended for only the outstanding student who wishes to be academically challenged. Candidates for AP courses will be determined by the school.

At MRSS an AP course may be offered in Psychology. The advantages of AP include enrichment and academic challenge; possible first year university credit or standing university placement priority. Satisfactory grades on AP Exams may offer many benefits. The basic reason for taking an AP course is to learn a subject in greater depth, to develop analytical reasoning skills, and to develop disciplined study habits appropriate for continued success at the post secondary level

Regardless of the grade you get on an AP course or an AP exam, neither could work against you for the following reasons:

- The marking scheme in each AP course is adjusted differently to compensate for the increased level of difficulty
- AP exams occur in the middle of May well before the provincial exams in June.
- The AP exam is not a requirement for the course, however, it is recommended.

Advantages of the Advanced Placement Program

Another advantage of taking AP courses would be a student may select a single course or a combination of courses. This allows for:

- A gradual acclimatization to collegiate work load and pace.
- Enrichment without sacrifice of extracurricular activities.
- Students are able to decrease their time spent in the university lab by as much as 2/3 due to their confidence and experience gained in their AP classes.
- Excellent preparation for provincial as well as many external scholarship exams.

Message From The Principal

I am happy to welcome you as part of our Rambler community. A core belief of our school is that none of us are equal until we are all equal. Our school values diversity, equity and inclusion. We look forward to offering you the opportunity to become actively involved in the pursuit of excellence in academics, athletics, fine arts, and citizenship.

This newspaper, and the counselling sessions that are available to you, are designed to assist you in determining a program of studies that will best suit your needs and help you learn more about our school. As you read through, feel free to ask questions of our counsellors and teachers, and remember to discuss program options with your parents/guardians.

Apart from your courses, I would encourage you to become involved in our tremendous extra-curricular programs. Enhancing your high school program with extra-curricular activities will give you further opportunity to make new friends, learn new skills, and feel more connected to our school. Please consider that the courses you choose over the next five years are fundamental in shaping your future. We look forward to working with you to achieve your potential.

GRADUATION REQUIREMENTS

To graduate, students must earn a minimum of 80 credits: 48 from the required course list below, 4 credits with an Indigenous focus, as well as at least 28 credits from elective courses, and 4 credits from successful completion of Career Life Connections (CLC). Of the 48 required course credits, at least 16 credits must at the grade 12 level. All courses are worth 4 credits.

Required Courses = 48 credits

- English 10
- English 11 & 12
- a Math 10
- a Math 11 or 12
- Science 10
- a Science 11 or 12
- Social Studies 10
- a Social Studies 12
- Physical Education 10
- Career Life Education
- Career Life Connections & Capstone
- Fine Arts and/or Applied Skills 10, 11 or 12

French Immersion Bilingual Dogwood Requirements:

- Français Langue 10, 11 & 12
- Sciences Humaines 10
- Education Physique 10
- a Gr. 10 French Immersion Elective
- Communication Orale 12
- Histoire 12

Athletic & Club Activities

Students who attend Maple Ridge Secondary School have unlimited opportunities to become involved in the school's numerous activities. Our school features an outstanding activity program open to every student.

School teams:

Basketball
Cheerleading
Cross Country
Field Hockey
Field Lacrosse
Rugby
Track and Field
Volleyball
Wrestling

Clubs & Other Activities:

Astronomy
Ball Hockey
Board Games
CIYA
Crochet & Knitting Circle
Dungeons & Dragons
Fiction Addiction
Graphic Novel
Model United Nations
Physics Olympics
Rainbow Connection
Scorekeeping
Student Council
Video Games Club
... and more

Special Education

Special Education at MRSS covers a variety of services for students with special needs. Currently there are eight case managers who deal with students requiring adapted or modified programming. Please call our Counsellors or Special Education Department Head to answer any specific questions regarding special needs programming.

MAPLE RIDGE SECONDARY SCHOOL

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Telephone: 604 463-4175 Website: <https://secondary.sd42.ca/mrssl/>

Facebook: <http://www.facebook.com/MapleRidgeSS>

Twitter: <https://twitter.com/mrsss42>

MAPLE RIDGE SECONDARY SCHOOL

CAREER EDUCATION

The Ministry of Education requires that all students receive career education. At Maple Ridge Secondary School, we deliver the curriculum in Career Education 8, Career Education 9, Career Life Education 10 in grade 11 and Career Life Connections which concludes with the Capstone Project in grade 12.

CAREER EDUCATION 9

Career Education 9 will continue to work on the big ideas of Career Education 8 as students also investigate the role of mentors, family, community, schools and personal networking in both decision making and career life planning. This course will be offered as a “pull-out”, meaning that students will not have a Career Education block in their timetable, but each term will be given assignments to complete on their own and learning opportunities (via assemblies, Take Your Kid to Work Day, etc.), that build upon the learning standards taught in Career Education 8.

CAREER LIFE EDUCATION 10 (OFFERED IN GRADE 11)

Career Life Education 10 is a full-year, 4 credit course that is part of the new graduation requirements. All grade 11 students must take Career Life Education.

The big ideas of Career Life Education center around: developing career and education paths, reflecting on the internal and external factors of career planning, understanding the impact of finances on personal plans, adapting to changes, fostering supportive networks, and finding a balance between work and personal life.

The learning and exploring process will include preparing students for presenting their Capstone Project in Grade 12.

CAREER LIFE CONNECTIONS / CAPSTONE PROJECT 12

Career Life Connections is the 4 credit, mandatory program required for graduation. In Career Life Connections, grade 12 students will design, assemble and present a Capstone Project to an audience to demonstrate personal learning and achievement (in and out-of-school), growth in the core competencies, and a reflection on their post-graduation plan. Students in grades 12 must create a personal integrated plan, to be included in the Capstone Project, for post-graduation that includes communicating choices related to:

- 30 hours, or more, of work experience, including volunteer activities
- Career exploration and education prospects
- Financial planning reflective of future goals
- Creating balance including addressing personal health and wellness

WORK EXPERIENCE - DOORWAY TO THE FUTURE

Work Experience is that part of an educational program which provides students an opportunity to participate in, observe or learn about the tasks and responsibilities related to an occupation or career. This may include the work experience that is required as part of the Graduation Transition Plan.

There are several types of work experience opportunities available and students may choose a variety of experiences to meet the 30-hour requirement. The student's work experience must support their career, educational and/or personal goals described in their Graduation Transition Plan.

Students may accumulate work experience hours over several years (grades 10-12). School-arranged Work Experience is automatically recorded in the Career Centre data files. Further information is available from the Career Centre. Parents are asked to become informed about the work experience activities, help the student plan for the work and provide on-going support to the student. The Career Development and Work Experience Coordinator, the Career Planning Assistant and the Graduation Transition Plan Coordinator all support the student's work experience needs.

Electronic work experience, student employment, job shadowing, volunteering community service, school-arranged work experience, and work study programs qualify as work experience activities.



PARTNERSHIP AND TRADES PROGRAMS

School District No. 42 and various post secondary institutions and trades training organizations have joined together to offer apprenticeship training programs for Grade 12.

YOUTH WORK IN TRADES

Secondary School Apprenticeships allow students who are employed or working in a family business that is a Skilled Trade identified occupation to earn up to 16 credits towards graduation. Students will be registered with SkilledTradesBC and upon completion of each 120 hours of employment will receive 4 credits towards graduation (to a max of 16 credits). In addition, hours worked will be recorded by SkilledTradesBC (<https://skilledtradesbc.ca/>) and count towards their apprenticeship. A \$1000 award is available to students who complete the program with a C+ average and 900 hours total working hours (recorded by December 31 of the school year the student turns 19).

AUTOMOTIVE SERVICE TECHNICIAN

This ten-month partnership with BCIT provides you with the basic knowledge and practical skills needed for entry into the automotive industry. As a graduate, you could pursue a career as a general repair technician or choose to specialize. You will receive credit for your first level of apprentice technical training from the SkilledTradesBC and 450 hours of work based training. Upon successful completion of this program, you will be scheduled to write the Provincial Level 1 apprenticeship exam.

CARPENTRY

This is a ten-month partnership with Kwantlen University. Students who complete the program are eligible for credit for first year apprenticeship technical training. 28 credits - Dual credit for high school and level one of apprenticeship training and 450 hours of work based training.

CARPENTRY – EARLY ENTRY APPRENTICESHIP

This partnership with Kwantlen University is a full-time 40-week level one apprenticeship program. Students complete core academic requirements on site with 28 credits dual credit for high school and apprenticeship training with 450 hours of work based training.

CULINARY ARTS

This is an 8-month partnership with Vancouver Community College. Graduates will find excellent opportunities for employment in all areas of the food service industry, including positions such as assistant cooks or apprentices in restaurants, hotels, and aircraft flight kitchens. 32 credits - Dual credit for high school and level one and two apprenticeship training.

ELECTRICIAN

This 24-week partnership with BCIT provides graduates with the theory and practical skills necessary to enter the electrical trade. The electrical worker plans, assembles, installs, tests, repairs and maintains electrical equipment and systems in a variety of settings. 24 credits - Dual credit for high school and completion of level one apprenticeship and 350 hours of work based training.

HAIRSTYLING

This ten-month partnership with Vancouver Community College is divided into three levels. The first two levels are designed to cover all core aspects of the industry on a progressive scale, demanding an increase in competence at each level. 32 credits - Dual credit for high school and level one, two and three apprenticeship training, VCC certificate and writing of the Red Seal Exam. In addition – all students will complete a practicum at a local salon.

MASONRY (BRICKLAYING)

This partnership between Kwantlen Polytechnic University provides a unique opportunity for secondary school students to complete Grade 12 graduation requirements while earning post-secondary credits and certification in the Masonry (Bricklayer) field – with credit of 400 work based training hours. Additionally, students will acquire job-ready skills to enter the job market or pursue other post-secondary education.



METAL FABRICATION

This is a ten-month partnership with BCIT deals with the selection, layout, shearing, cutting (with a torch), punching, drilling, forming, fitting and welding of steel plates and structural steel shapes. 28 credits - Dual credit for high school and level one apprenticeship and 450 hours of work based training.

PIPE FITTING / PLUMBING

This partnership with Kwantlen University offers a level one apprenticeship plumbing program, giving students the practical and theory skills to enter the piping / plumbing industry. The program follows the provincial apprenticeship curriculum. Students receive dual credit (high school graduation and college credits for completion of the program). Students will develop the necessary habits concerning safety and the proper use of time, tools, materials, and the work skills required to be a competent trade's person in today's workforce. Students who successfully complete the Plumbing Foundation program will receive Level 1 in-school technical training credit and 375 work-based hours towards completion of the Plumber Apprenticeship program. Students are able to follow one of the four certification streams; plumbing, pipefitting, gas fitting and sprinkler fitting.

MAPLE RIDGE SECONDARY SCHOOL

ENGLISH

ENGLISH 9

This course uses a wide range of activities related to short stories, novels, poetry, and plays as a part of its study of literature. Students are introduced to the writing of a basic essay and the writing process. Descriptive, narrative, and expository writing are exercised regularly by students through-out the course. The grammar component teaches students the parts of speech, sentence structure, and punctuation.

LITERARY STUDIES 10 (2 CREDITS) (All grade 10 students must take this course)

Literary Studies 10 allows students to delve more deeply into literature. Students will hone their skills in reading with critical appreciation, writing in a variety of forms, and thinking critically and creatively.

In addition to Literary Studies, students must also choose one of the companion courses below :

COMPOSITION 10 (2 CREDITS)

Composition 10 is designed to support students in their development of written communication through a critical process of questioning. Composition 10 develops written and verbal expression through the study, appreciation, and analysis of literature. This course explores narrative, expository, descriptive, and persuasive essays. Skills developed include how to cite sources, consider the credibility of evidence, and evaluate the quality and reliability of sources.

CREATIVE WRITING 10 (2 CREDITS)

Creative Writing 10 develops written and verbal expression through the study, appreciation, and analysis of literature. This course is designed for students who are interested in refining their writing skills through self-expression. A wide variety of texts and genres are explored.

NEW MEDIA 10 (2 CREDITS)

New Media 10 is aimed at providing students with the skills vital for success in an increasingly complex digital world. This course will enable students to understand media communication in the twenty-first century and to use media effectively and responsibly. Through the analysis of texts and through creating their own media, students will develop critical thinking skills, aesthetic and ethical judgement, and skills in viewing, representing, listening, speaking, reading, and writing. Texts considered may include various forms of digital applications, including film, podcasts, gaming, social media apps, advertising, and journalism.

COMPOSITION 11

Composition 11 develops written and verbal expression through the study, appreciation, and analysis of literature. This course explores narrative, expository, descriptive, and persuasive essays. Skills developed include how to cite sources, consider the credibility of evidence, and evaluate the quality and reliability of the source.

CREATIVE WRITING 11

Creative Writing 11 is designed for students who are interested in developing confidence and refining their writing skills through self-expression for various creative purposes. This course provides students with in-depth opportunities to explore personal and cultural identities, memories, and stories in a wide range of genres. Within a supportive community, students will collaborate and strengthen 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 reflect on, adjust, and extend their writing skills.

ENGLISH FIRST PEOPLES LITERARY STUDIES & WRITING 11

English First Peoples 11 is designed for students who are interested in studying First Peoples literature and using writing for self-expression and communication in a variety of contexts. Students examine Indigenous oral and written literature in a range of media to explore various themes, authors, and topics. This provides a foundation for them to think critically and creatively as they continue to explore, extend, and strengthen their own writing. Within a supportive community, students work individually and collaboratively to explore Indigenous literature and create powerful, purposeful compositions.

NEW MEDIA 11

New Media 11 is aimed at providing students with the skills vital for success in an increasingly complex digital world. This course will enable students to understand media communication in the twenty-first century and to use media effectively and responsibly. Students will develop critical thinking skills, aesthetic and ethical judgement, and skills in viewing, representing, listening, speaking, reading, and writing. Short stories, poetry, non-fiction, and the classic literary novel will be examined under multiple lenses in the 21st century digital age through podcasts, film education, advertising, and journalism and more.

CREATIVE WRITING 12

Creative Writing 12 provides students with the opportunity to explore their creativity, practice writing skills, work collaboratively with peers, and strengthen imaginative writing. Students will engage in a range of genres with the goal of seeing their work published. **CREATIVE WRITING 12 is an elective course and will count towards total graduation credits, however, will not count as a Language Arts 1 2 credit.**



ENGLISH STUDIES 12

This course builds on and extends students' previous learning experiences in ELA 10 and 11 courses. This course provides students with opportunities to refine skills in critical and creative thinking, literacy, and written, verbal, and visual communication. Students will explore diverse texts and genres.

ENGLISH FIRST PEOPLES 12

English First Peoples 12 is grounded in the First Peoples Principles of Learning. English First Peoples 12 explores authentic First Peoples text to help deepen our understanding about our complex and diverse world. It is the study of oral and written word that connects us and provides insight into Canada's past, present and future. It showcases First People voices and texts to help foster justice and play a role in the process of Reconciliation.

SCIENCE

SCIENCE 9

This course involves lab safety, experiments, graphing and technology. Life Sciences focuses on reproduction, and will cover DNA replication, the processes of cell division resulting in somatic (regular) cells and gametes (reproductive cells), and various forms of asexual and sexual reproduction. The Chemistry component of the course looks at the structure and components of atoms, chemical formulas and the changes in the properties of matter by physical and chemical means. Electron organization of atoms and how this is related to the organization of the periodic table will also be investigated. Physics is another aspect of the course which looks at current electricity, both AC and DC, as well as voltage, current and resistance in series and parallel circuits. The relationship between electrical energy and power consumption will also be investigated. The course will also investigate the cycling of energy, nutrients and toxins through the biosphere, and will investigate how these processes are all connected. There will be an overall focus throughout the course on the development of logical reasoning and scientific thought processes, as well as the relationship of material covered in Science class to our day to day lives.

SCIENCE 10

This course provides insight into the scientific world. Applications focus on lab safety, accuracy and ethics. Life Science looks at DNA structure and function, how simple patterns of inheritance involve genes and chromosome and how natural and artificial selection are the mechanisms that result in the diversity of life. Chemistry examines the properties, classification and chemical reaction of compounds. The radioactivity and nuclear chemistry unit examines the processes and their roles in our lives and our scientific understanding of our world. Physics involves the examination of energy and its transformation and conservation. Earth Science focuses mainly on the formation of the universe, its components and collection of astronomical data.

CHEMISTRY 11

A basic introduction to the concepts of chemistry. Students gain experience through hands-on experiments, demos and activities that create connections to the real world. Strong mathematical skills are recommended. Students will learn about the techniques of chemistry and the products of the chemical industry, description of matter, naming compounds, the mole concept, chemical bonding, balancing equations and organic chemistry.

EARTH SCIENCE 11

This course applies all other sciences to the study of the earth. Units of study include: Astronomy (The formation of the universe, the unique properties of planet earth, Stars as the centre of solar systems and space technology), Oceanography & Water (Water as a unique resource, properties of the ocean and effects of climate change on water sources), Meteorology (Properties of the atmosphere, weather and changes to the atmosphere due to natural and human causes) and Geology (The rock cycle, mining and plate tectonics). This course is highly recommended for Geology 12 and introduces many concepts to be covered in Geography 12.

ENVIRONMENTAL SCIENCE 11

In this course, students will investigate the diversity and relationships of ALL living things and their environment. They will also discover the impact of human actions on our environment. This course will include hands-on applications, interactive labs, project work, article and video analysis and a year-end student-led action plan. This course is for motivated students that are interested in creating action plans that create change in a local or global context. Students should leave this course with the knowledge and skills to better understand and sustain the earth's ecosystems. Some content will be taught outside.

LIFE SCIENCES 11

Students will develop an understanding of the diversity of life and of the inter-relations of all living organisms. They will gain an understanding of the beauty, drama and tragedy of the living world. Students will learn about how animals adapt to the changing world and the characteristics that divide each organism into classification systems used in science. They will have direct experiences with the natural world by way of observations and identification of organisms in their natural environment and through laboratory investigations.

MAPLE RIDGE SECONDARY SCHOOL

PHYSICS 11

The physics 11 course is designed to develop your innate skills as a physicist, and to prepare you for future studies in physics or work in science-related careers. You will learn how to observe your surroundings as a set of interacting particles, whose actions can be explained logically, and whose behaviour is universal. You will gain practical skills in the design and construction of experimental devices. You will develop communication and collaborative skills with your classmates. You will learn to quantitatively measure the results of your experimentation so that you can model what you have observed mathematically. You will learn how to use your mathematical models to predict the result of future experiments.

SCIENCE FOR CITIZENS 11

This big picture goal of this course is to investigate how science impacts our daily lives rather than focusing on understanding a specific branch of science. At the end of the course you will be more science “literate” and will have a better understanding of the world around you. If you want to know “why do we have to take science?”, this is the course for you! While the content varies from year to year depending on student interest and current events, we will explore topics such as climate change (why it is happening and what the impacts of it are and will be), technology in our lives (autonomous cars, robots and their role in farming, CRISPR technology and its future impacts), health (nutrition, allergies, supplements etc), forensics (methods, technologies and limitations) and general science literacy. Note that this course is not widely accepted for post-secondary entry.

ANATOMY AND PHYSIOLOGY 12

This course is an essential background for university training in nursing, medical science, human biology, and kinesiology and will introduce the structure and function of the organ systems of the human body. Students will discover the importance of homeostasis or balance in all body systems. They will investigate biological molecules, structure and function of important cell organelles, the importance of DNA, and human anatomy & physiology. Human biology is examined on levels of molecules, cells, tissues, organs and systems. Organ systems studied may include Digestive, Circulatory, Respiratory, Urinary, Nervous, and Reproductive. Chemistry 11 is a recommended pre-requisite for Anatomy and Physiology 12. Biology 11 is encouraged, but not a required for Biology 12.

CHEMISTRY 12

In Chemistry 12 students will deepen their understanding of chemistry through the study of reaction rates, equilibrium systems, solutions, acids and bases, and electrochemistry. Students will further develop their problem-solving and laboratory skills and their ability to communicate scientific information. This course is intended for students wishing to study science, engineering, medicine or technology at the post-secondary level and requires good math skills.

ENVIRONMENTAL SCIENCE 12

This applied science course is for students interested in learning more about local and global environmental issues. Students will learn concepts, skills, and attitudes needed to understand the practices and issues related to global water systems, global climate change, land use, and sustainability. You will learn and perform practical techniques to scientifically analyze water, air and soil quality. Upon completion, students will have a good understanding of how humans interact with global ecosystems, personal changes that minimize their own ecological footprint, and what it means to be an environmentally responsible global citizen. This course will include hands-on applications, interactive labs, project work, article and video analysis and a year-end student-led action plan. Some content will be taught outside.

GEOLOGY 12

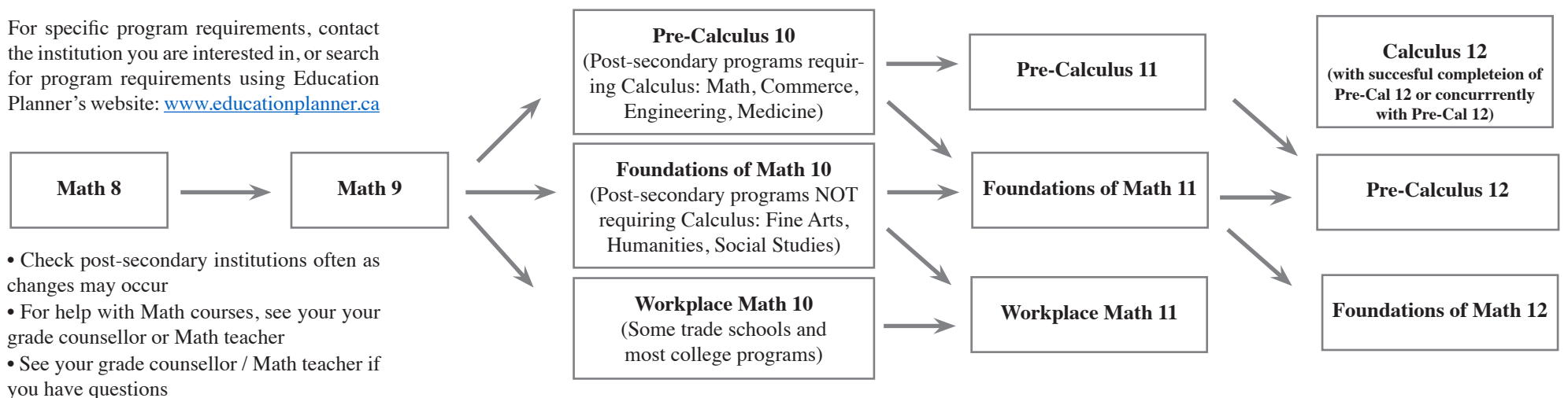
This course further investigates and promotes an understanding of the solid Earth. Units of study include: Earths materials (minerals, resource deposits, igneous, sedimentary and metamorphic rocks), Earths internal processes and structures (plate tectonics, earthquakes, volcanoes and properties of earth’s interior), Processes that reshape the earth (weathering, erosion, glaciers and ground water), and The history of the earth (Geological time scale, fossils and methods of relative and absolute dating). It is strongly recommended that at least one grade 11 science course be completed before enrolling in this course, Earth Science 11 is preferred but not required.

PHYSICS 12

The physics 12 course will extend the skills learned in physics 11, and introduce some more abstract concepts like electromagnetism. The mathematical modelling will be expanded to two and three dimensions, and the engineering challenges will involve integration of several topics. Students who successfully complete physics 12 will be very well prepared for college or university physics courses.

MATHEMATICS

For specific program requirements, contact the institution you are interested in, or search for program requirements using Education Planner’s website: www.educationplanner.ca



- Check post-secondary institutions often as changes may occur
- For help with Math courses, see your your grade counsellor or Math teacher
- See your grade counsellor / Math teacher if you have questions

MATHEMATICS 9

You will continue to develop your math competencies in Reasoning & Analyzing, Understanding & Solving, Communicating & Representing and Connecting & Reflecting while extending and broadening knowledge of topics that you have learned up to Math 8.

You will learn about other types of rational numbers, be introduced to powers and polynomials, continue to solve complex linear equations through word problems, delve further into graphing on the Cartesian plane, develop spatial reasoning and consider how statistics is used in our society.

FOUNDATIONS OF MATHEMATICS 10

This pathway is designed to provide students with the mathematical understandings and critical-thinking skills identified for post-secondary studies in programs that do not require the study of theoretical calculus. This course will focus on developing broad numeracy and algebra skills, with the emphasis on spacial and proportional reasoning, unit conversion and analysis and financial literacy. Students successfully completing this course will receive credit for Foundations of Mathematics and Pre-Calculus 10.

PRE-CALCULUS 10

This pathway is designed to provide students with the mathematical understandings and critical-thinking skills identified for post-secondary studies. This course is academically challenging and is intended for students with strong math skills who may wish to continue on into post-secondary studies. Curricular content includes powers, prime factorization, functions, linear relations and systems, trigonometry, polynomials and financial literacy. Students successfully completing this course will receive credit for Foundations of Mathematics and Pre-Calculus 10.

WORKPLACE MATHEMATICS 10

This course prepares students for math in the work place and focuses on real-world applications of mathematics. You will cultivate an understanding of graphs, trigonometry, unit conversions, surface area and volume, data measurements, probability, and different types of income.

FOUNDATIONS OF MATHEMATICS 11

This pathway is designed to provide students with the mathematical understandings and critical-thinking skills identified for post-secondary studies in programs that do not require the study of theoretical calculus. Topics include mathematical reasoning, angle relationships, graphical analysis, applications of statistics, scale models, and financial literacy.

PRE-CALCULUS 11

This course is designed to provide students with the mathematical understandings and critical-thinking skills identified for entry into post-secondary studies in programs that require the study of theoretical calculus. Typically, a student would be planning to enter a college or university in a mathematics, science, engineering, medicine, or commerce program. The main areas of study include the real number system, powers with rational exponents, radical and rational operations and equations, factoring, quadratic functions and equations, inequalities, trigonometry, and financial literacy. This course gives students the graduation requirement in mathematics.

WORKPLACE MATHEMATICS 11

This course is a part of the pathway designed to provide students with the mathematical understandings and critical-thinking skills identified for entry into the majority of trades and for direct entry into the work force. Topics include proportional reasoning, rate of change, financial literacy, interpreting graphs, 3-dimensional diagrams, and probability and statistics.

CALCULUS 12

This course is designed to provide students with a preview of a post-secondary differential calculus course and provide students with the mathematical understandings and competencies identified for entry into post-secondary programs that require the study of theoretical calculus. Curricular content includes functions and graphs, limits and continuity, differentiation and its applications, and integration.

FOUNDATIONS OF MATHEMATICS 12

This course centers around the big ideas of probabilistic thinking, data modelling, financial decisions, and geometric explorations. The topics include geometry, graphical representations, regression analysis, combinatorics, probability, and financial planning. This course is suited for students looking for post-secondary studies in arts and other faculties.

PRE-CALCULUS 12

This course is designed to provide students with the mathematical understandings and critical-thinking skills identified for entry into post-secondary studies in programs that require the study of theoretical calculus. Typically, a student would be planning to enter a college or university in a mathematics, science, engineering, medicine, or commerce program. The main areas of study include functions and relations, transformations, exponential and logarithmic functions, polynomial functions and equations, and trigonometry.

MAPLE RIDGE SECONDARY SCHOOL

SOCIAL STUDIES

SOCIAL STUDIES 9

Social Studies 9 examines a range of topics that focuses on Canada's development as a nation and major world events from 1750 to 1919, physical geography of Canada and current events. Students will continue to develop a deeper understanding of the Historical Thinking concepts and skills that include establishing historical significance, identifying continuity and change, analyzing cause and consequence, using primary source evidence, taking a historical perspective, and understanding ethical dimensions of historical events. Key themes explored in this course includes political, social, economic, and technological revolutions, imperialism and colonialism and their immediate and continuing effect on Indigenous peoples and Canada. Students will also learn about conflicts and discriminatory policies and injustices in Canada and the world.

SOCIAL STUDIES 10

Social Studies 10 is a course that centres around Canada from 1919 to present day. This course offers students the opportunity to explore how Canada has developed socially, politically, economically and, culturally as a nation both at home and on the world stage. Students will further develop their practice and knowledge of Historical Thinking concepts of historical significance, identifying continuity and change, analyzing cause and consequence, using primary source evidence, taking a historical perspective, and understanding ethical dimensions of historical events and current events. Major themes of study include the Canadian political system, Canadian autonomy, Canada identities, Truth and Reconciliation in Canada, advocacy for human rights, discriminatory policies and attitudes, and historical injustices and achievements in Canada and the world. Students will also discover the impact of environmental, political, and economic policies at the local, regional, and global levels.

Senior Social Studies courses are open to students in Grade 11 and 12

20TH CENTURY WORLD HISTORY 12

This senior social studies course spans the 20th & 21st century from 1917 to the present. Students will examine world conflicts, ideologies, social and political impacts on the world. It is full of information, ideas and concepts that expands knowledge and understanding of the world. The study of history involves more than just the memorization of facts and events. It requires understanding, evaluation and interpretation. This course incorporates the Big Ideas of: Nationalist movements can unite people in common causes or lead to intense conflict between different groups; the rapid development of proliferation of technology in the 20th century led to profound social, economic, and political changes; the breakdown of long-standing empires created new economic and political systems. Students will practice the six Historical Thinking skills of historical significance, continuity and change, cause and consequence, evidence, historical perspective, and ethical judgement while learning about topics develop their competencies to become active, informed citizens. This course fulfils the Social Studies graduation requirement and can be used towards postsecondary admission requirements.

BC FIRST PEOPLES 12

BC First Peoples 12 will take both a historical and contemporary approach to First Peoples history in British Columbia. BC First Peoples 12 courses focuses on how the identities, worldviews, and language of First Peoples are renewed, sustained, and transformed through their connection to the land. Students will gain a deeper understanding of how through self-governance, leadership, and self-determination BC First Peoples challenge and resist the effects of colonialism. Students will also explore the how cultural expressions convey the richness, diversity, and resiliency of BC First Peoples. This course fulfils the Social Studies graduation requirement, BC Indigenous-focused coursework graduation requirement and can be used towards postsecondary admission requirements.

COMPARATIVE CULTURES 12

Students will enrich their awareness and sensitivity towards other cultures through the comparative study of various civilizations. Both contemporary and ancient cultures will be studied, and students will understand the basic concepts of art, culture and civilization and their relationships to each other. Some of the following civilizations will be chosen by the teacher for in-depth study: Greco-Roman, India, China, Japan, Europe-Middle Ages to Modern, Asia and the West. Early civilizations – Egypt, Mesopotamia, Indigenous cultures of the Americas – Mayan, Aztec and Inca. Students will acquire an appreciation for the arts, develop open-mindedness based on the understanding of cultures and broaden their perspectives from a world cultural history to thinking and acting as world citizens. This course fulfils the Social Studies graduation requirement and can be used towards post-secondary admission requirements.

CRIMINOLOGY 12

Criminology is the study of crime and criminal behaviour. This course will explore measuring crime, key social correlates of criminal behaviour, theoretical explanations of crime and exploring public pressure and policies to respond to the threat and existence of criminal behaviour. Of most importance, this course will focus on the forces cause an individual to gravitate to crime and what can be done to avoid, reduce or eliminate crime. Additionally, students will learn to apply criminological explanation to case studies and develop a deeper understanding of the role various forms of media play in perceptions of crime and criminal behaviour. Criminology 12 is an elective course and will count towards total graduation credits, however, does not count as a Social Studies 11/12 credit. Please consult postsecondary institutions prior to taking Criminology for admission requirements.

LAW STUDIES 12

Law Studies 12 is a course that introduces students to the concept of law, the objective and function of the criminal justice system, and the everyday role law plays in society. The specific areas of study will include the rights and freedoms of Canadians, criminal, civil and international law, and the criminal justice system. Students will visit the Supreme Court of British Columbia in Vancouver to further their understanding of the setting, function, purpose, and procedures of the process in which Canadian laws are enacted as well as enforced in court proceedings. This course fulfils the Social Studies graduation requirement and can be used towards post-secondary admission requirements.

BA PSYCHOLOGY 11

Want to improve your life and your relationships with others? If so, this is the course to take. Topics include the following: different perspectives of psychology, positive psychology, learning, mind-body connection, infancy and childhood, career options (including teaching, law enforcement, medical careers, human resources, etc.), adolescence, adulthood, memory, and others. Overall, students of psychology develop an increased awareness and understanding of thought processes and behaviours, helping them better understand themselves and those around them. Psychology 11 and 12 can be taken concurrently. **Psychology 11 is an elective course and will count towards total graduation credits, however, will not count as a Social Studies 11/12 credit.**

BA PSYCHOLOGY 12

This course continues as the introduction to selected areas in psychology and aids in the understanding of its role today in our lives. This course focuses on the following topics: theories of personality, the link between stress and health, psychological disorders, therapy and change and social psychology. This course is a base for career areas of teaching, law enforcement, and is a good addition for students interested in medical careers. Psychology 11 and 12 can be taken concurrently with the teacher's permission. **Psychology 12 is an elective course and will count towards total graduation credits, however, will not count as a Social Studies 11/12 credit.**

AP PSYCHOLOGY 12

This Advanced Placement course is designed to introduce students to the systematic and scientific study of the behaviour and mental processes of humans and other animals. Students are exposed to the psychological facts and principles, and phenomena associated with each of the major subfields within psychology. Students will get the chance to assess some of the differing approaches adopted by psychologists, including biological, behavioural, cognitive, humanistic, psychodynamic, and sociocultural perspectives. Students will also learn the basic skills of psychology research and develop critical thinking skills. The student's performance on the College Board Advanced Placement exam will be used by universities to determine whether credit or standing should be granted for 3 credits of Introductory Psychology. Students must achieve a level of 4 or 5 on the exam. The exam costs approximately \$100 US but is optional. **AP Psychology 12 is an elective course and will count towards total graduation credits, however, will not count as a Social Studies 11/12 credit.**

GENOCIDE STUDIES 12

After the Holocaust the world promised "Never Again," but genocides and crimes against humanity continue to occur. Why? Genocide Studies will examine case studies from the 20th and 21st century of the intentional destruction of peoples and their cultures. Students will explore the roots of hatred, discrimination, and oppression, and how these movements can be prevented, resisted, and disrupted. Some examples of case studies include the Holocaust, Cambodia, Rwanda, Darfur, and Truth and Reconciliation in Canada. Other topics covered in this course may include: the psychology of a perpetrator, the use of technology to promote and carry out genocide, rules of war, prosecution of war crimes, and related current events. This course may appeal to students interested in a cross-curricular look at history as they apply concepts and skills from psychology, ethics, political science, literature, art, and film to help understand the complexity of genocide. This course fulfils the Social Studies graduation requirement and can be used towards post-secondary admission requirements.

PHYSICAL GEOGRAPHY 12

This course serves as credit for university entrance; at several post-secondary institutions it counts as a dual entry credit for both Arts and Sciences. This is because Geo 12 examines the physical nature of the earth, while also examining the human imprint on it. As the earth responds to human-made conditions, like climate change, we must understand the science behind the earth's processes in order to protect our environment for the future. Areas of study include: Weather and Climate; Climate Change; Geomorphology (rivers, glaciers, coastlines, deserts); Renewable Energy; Ozone Depletion; Water Scarcity; Desertification; Natural Hazards (landslides, floods, earthquakes, volcanism, hurricanes, tornadoes); Biogeography. This course fulfills the Social Studies graduation requirement and can be used towards post-secondary admission requirements.

SOCIAL JUSTICE 12

Do you see injustice and feel passionate about making change? Sign up for Social Justice 12! The aim of Social Justice 12 is to raise awareness of social injustice, to analyse current issues from a social justice perspective, and to gain the knowledge and skills to advocate for a socially just world. The course emphasizes student action, providing opportunities for students to examine social change and implement strategies to address social injustice. Students examine their own beliefs and values through reflection, discussion, and critical analysis. Ultimately, this course empowers students to realize their capacity to create positive change in the school, in the community and around the world. The course culminates with the Social Justice Action Plan, an opportunity for students to be activists for social change at the Social Justice Fair. Topics for study: social justice concepts; social justice heroes; racism and how to be anti-racist; Indigenous peoples; human rights; LGBTQ+ issues; women and gender roles; poverty; the climate crisis. This course fulfils the Social Studies graduation requirement and can be used towards postsecondary admission requirements.

MAPLE RIDGE SECONDARY SCHOOL

PHYSICAL EDUCATION

PHYSICAL EDUCATION 9

This course allows students to learn new games, to develop social skills in the sport milieu, and to have fun. P.E. 9 further develops skills learned in grade 8, introduces new skills and sports, and helps develop habits for a healthier lifestyle.

PHYSICAL AND HEALTH EDUCATION 10

P.E. 10 introduces different life time sports. There are classes in orienteering, field lacrosse, aerobics, social dance, weight training, basic CPR training, and wheelchair basketball.

BA PE LEADERSHIP 11: INTRAMURALS

This course is intended to provide students with strong leadership and team building skills. This will enable students to successfully plan, organize, promote and implement a variety of their own lunch hour programs over the course of the school year. Students will develop the skills to become independent, positive leaders who are able to run programs with minimal assistance from their teacher.

ACTIVE LIVING 11

This course continues to encourage students to have an active lifestyle and prepare themselves for a career in physical education and recreation by having fun playing different sports. Leisure activities include archery, bowling, flag football, paintball, minor games, racquetball, road hockey, skating, skiing & snowboarding, squash, and weight training, hiking, camping, cycling and canoeing. PE 11 counts as 100 hours towards the 300 hours of required physical activity for graduation.

ACTIVE LIVING 12

Physical Education 12 is designed for students wishing to develop personal leadership skills. Students will continue to play sports and minor games and participate in leisure activities in the community. The activity classes will emphasize outdoor pursuits including kayaking, paddleboarding, tubing and whitewater rafting. Students will be required to be involved in some extra time outside of class time.

BA YOGA FIT 11 & 12

Let go of stress, improve your physical wellness and mental health, calm your mind, lengthen your spine and breathe into mindful meditation. Improve your flexibility, balance, body alignment, strength and posture. For the beginner-intermediate student, Yoga Fit also touches upon positive wellness habits and strategies to combat anxiety and depression as well as the importance of proper hydration and sleep to overall health. Treat yourself to Yogafit and the rest of the day will thank you! This course can be very helpful in balancing the stresses and strains of the heavy academic load of grade 11 and 12 as well as other demands such like work and planning for the future.

BA ATHLETIC LEADERSHIP 11 & 12

Athletic Leadership is designed for the student interested in learning about planning, and the organization of school sporting activities and athletic events. The students of this course will be given knowledge and skills and then placed in positions of responsibility where they will have the opportunity to practice and refine their athletic leadership skills. It also allows the student the opportunity to work with peers and coaches of diverse athletic backgrounds and experiences. Students will be involved in planning, organizing, and implementing home tournaments, marketing & promoting of athletics to only name a few. This course is open to students in grade 10-12. Due to the fact that athletic events are scheduled outside of school time, each student will be expected to have flexible hours. Student athletes will be exempt from outside school hours while they are in season for their sport. This course is looking for students who are looking to make a positive difference at MRSS.

BA PE LEADERSHIP 12: INTRAMURALS

This course is intended to build on the knowledge and experiences taken from intramurals 11. Grade 12 students will work along side, model and peer teach this course to intramural 11 students. Students in intramurals 12 have more responsibilities, therefore, higher expectations of them. This course is intended to provide students with strong leadership and team building skills to prepare them for the 'real world' the following year. This will enable students to successfully plan, organize, promote and implement a variety of their own lunch hour programs over the course of the school year. Students will develop the skills to become independent, positive leaders who are able to run programs with minimal assistance from their teacher or employer.

BA STRENGTH TRAINING 11 & 12

Students wishing to enhance their physical strength, power, speed, and stamina, as well as those students that could utilize improved self image and self esteem are ideal candidates for this course. Students will be challenged physically through strength training and mentally through anatomy and physiology testing.

Units of study include human anatomy & muscle physiology, Olympic lifting, strength & power training via weight, power lifting, sport specific training programs, drug education (i.e. steroid abuse), plyometrics, flexibility training, injury rehabilitation and prevention, and nutrition.

LANGUAGES

Acquiring a new language opens the door to a world of new experiences. As students study a new language, they develop an understanding and appreciation of other people, cultures, beliefs, and ways of life, while also developing a deeper understanding of their own culture and personal identity. They learn new ways to think, learn, and communicate with others, and gain a new perspective on their experiences and the world around them. Here at MRSS, we offer three languages for students to choose from; French, Japanese, and Spanish.

The B.C. Core French curriculum aims to support students' development as educated citizens through the achievement of the following goals. Students are expected to

- use French as a form of self-expression
- communicate with purpose and confidence in French
- explore a variety of French-language texts
- appreciate the interconnectedness of language and culture
- expand their understanding and appreciation of other cultures
- deepen their understanding of their first language and of their own cultural identity
- understand the educational, travel, and career opportunities that acquiring an additional language offers
- foster an appreciation of learning languages

CORE FRENCH 9

This course provides opportunities for students to develop basic skills to communicate and interact in French, with a focus on familiar topics related to their daily lives. Students will begin to develop skills in listening, speaking, reading, and writing by using language learning strategies introduced in the elementary Core French program, and will apply creative and critical thinking skills in various ways. They will learn about diverse French-speaking communities and will begin to develop skills necessary for lifelong language learning.

CORE FRENCH 10

This course provides opportunities for students to continue to communicate in French about personally relevant, familiar, and academic topics in real-life situations with increasing independence. Students will exchange information, ideas, and opinions with others in guided and increasingly spontaneous spoken interactions. Students will develop their skills in listening, speaking, reading, and writing through the selective use of strategies that contribute to effective communication. They will also increase their understanding and appreciation of diverse French-speaking communities and will develop skills necessary for lifelong language learning.

CORE FRENCH 11

This course provides extensive opportunities for students to use their communication skills in French and to apply language learning strategies. Students will develop their skills in listening, speaking, reading, and writing by responding to and interacting with French oral and written texts in a variety of real-life contexts, using their creative and critical thinking skills to explore and evaluate information and ideas in the texts. Students will increase their knowledge of the French language through the study of French authors. They will continue to increase their understanding and appreciation of diverse French-speaking communities and will develop skills necessary for lifelong language learning.

CORE FRENCH 12

This course offers students extended opportunities to speak and interact in real-life situations in French with greater independence. Students will develop a degree of proficiency in their listening, speaking, reading, and writing skills, as well as their creative and critical thinking skills, through responding to and exploring a variety of oral and written texts. They will also broaden their understanding and appreciation of diverse French-speaking communities and will develop skills necessary for lifelong language learning.

BEGINNER JAPANESE 11

The knowledge of the Japanese language is a definite asset if a student plans to become involved in business or tourism in British Columbia.

Oral work, written work, reading and introductions to aspects of Japanese culture are studied in this course. Development of conversational and communicative skills will be emphasized. Beginner's Japanese does not in itself satisfy university entrance requirements.

JAPANESE 11

This course is a continuation of Intro. Japanese 11 and will qualify you to enroll in Japanese 12. The knowledge of the Japanese language is a definite asset if you plan to become involved in business or tourism in BC. Oral work, written work and reading can be expected, with a particular focus on the development of conversational and communicative skills. Cultural content from Intro. Japanese is reviewed and expanded upon.

MAPLE RIDGE SECONDARY SCHOOL

JAPANESE 12

This course has a strong focus on reading and writing. Some study of culture is incorporated into every class as language and culture are inseparable.

Grammar and Kanji (Chinese characters) are studied using the communicative approach: students read, write and sometimes memorize short dialogues and skits from which we draw our grammatical and written knowledge in context.



BEGINNER SPANISH 11

This course is an introduction to Spanish for students who wish to pursue a second language. The emphasis will be on developing very basic skills in grammar, and vocabulary through speaking, listening, reading and writing formats. Students are introduced to the cultures of Spanish speaking people. This course is a pre-requisite for Spanish 11.

SPANISH 11

In Spanish 11 students will expand their vocabulary and grammatical knowledge with the goal of improving communicative skills. Through a deeper examination of Hispanic cultures, students will continue to learn about the traditions and backgrounds of all Spanish speaking countries. Students will be expected to speak and write more often in Spanish. To be successful in this course students should have successfully completed Beginners' Spanish 11. Spanish 11 satisfies the language requirements for entry into all BC Post Secondary Institutions.

SPANISH 12

Spanish 12 offers students an in-depth study of the grammatical elements of the language. There is greater emphasis on reading and writing skills and spontaneous conversations. Written work includes paragraphs and short compositions or presentations on common topics. The focus is on students using their Spanish skills at a more sophisticated level. To be successful in this course students should have successfully completed Spanish 11. Spanish 12 satisfies the language requirements for entry into Bachelor of Arts programs required by many Post Secondary Institutions.

FRENCH IMMERSION PROGRAM

By continuing in French Immersion, students maintain and extend their expertise in French. Being part of a specialty program in high school provides meaningful connections for students with their French Immersion peers and teachers while fully experiencing all the other opportunities of the high school environment. This program enables students to build upon their foundation language skills and develop greater confidence in using French with increasing precision and sophistication. Students who complete the program and the grade 12 provincial exam successfully, will receive their bilingual Dogwood certificate.

	GRADE 9	GRADE 10	GRADE 11	GRADE 12
REQUIRED	Français Langue 9	Français Langue 10	Medias et Communication Numerique 11	Francais Langue Seconde 12
COURSES	Sciences Humaines 9	Sciences Humaines 10	Communication Orale 11	Communication Orale 12
	Éducation Physique 9	Éducation Physique 10		
		Arts Visuels en atelier 10		
*OPTIONAL	Arts Visuels 9	Etude Des Aliments 10		
COURSES	Étude des Aliments 9	BA Musculation 10		
		Photographie 9/10		

Grade 9 & 10 students must take at least one of the (*) optional Immersion courses in grade 9 and grade 10 but may take more than one optional course if desired.

FRANÇAIS LANGUE SECONDE IMMERSION 9

This course helps students develop proficient oral communication, listening, reading and writing skills. It also initiates the students to the study of literature in French. Activities include the reading of a variety of materials, grammar, oral presentations, and compositions. Required for the course are a French dictionary, an English/French dictionary, and a Bescherelle.

SCIENCES HUMAINES 9

The second year of high school social studies continues from grade 8 and explores the development of Europe and North America in the time period of 1750 - 1919. One of the themes for this year is the study of revolution and the impact and influence on societies politically, legally and socially. Colonialism, imperialism and nationalism are key concepts explored while learning about economic systems that developed through trade, exploration and settlement in Canada. Additionally, students will study Canada's settlement and development of political and legal roots and investigate the relationships of British, French and Aboriginal communities. This course explores Canada's development through pre-Confederation to World War One and the connections between Canada's natural resources and economic activities.

EDUCATION PHYSIQUE ET SANTE 9

Students learn new games, develop social skills in the sport milieu, and have fun. P.E. 9 further develops skills learned in grade 8, introduces new skills and sports, and helps develop habits for a healthier lifestyle. In grade 9 students will learn how to canoe.

CCPT: ETUDE DES ALIMENTS 9

CCPT: ETUDE SUR L'ALIMENTATION 10

This course is designed to teach students the basic skills and components of food preparation including adaptations of ingredients, techniques and equipment. Safety and sanitation, basic nutritional requirements, meal planning and ethical issues are all areas of study. The areas of study within the meals include flour mixtures, protein foods, vegetables, grain and dairy products.

ART VISUELS 9

The goal of this course is to introduce a strong foundation in various art mediums that will promote practical experiences and develop technical knowledge. Topics include: art foundations, art criticism, design principles and elements, painting and drawing through various mediums, pottery, print making, and sculpture. Students provide their own pencils, eraser, wax crayons, fine tip felt pens, glue stick, pencil sharpener, ruler and pencil crayons for this course.

FRANÇAIS LANGUE SECONDE IMMERSION 10

This course is designed to help students develop proficient oral communication, listening, reading and writing skills. Students can also expect to continue the study of literature in French. There is a reinforcement and extension of the knowledge acquired in the 9th grade. Students will read from a variety of materials, practice their grammar, write compositions, and engage in oral presentations. Required for the course are a French dictionary, a French/English dictionary, and a Bescherelle.

SCIENCES HUMAINES 10

What does it mean to be Canadian? Social Studies 10 examines Canada in the modern era: 1919 to the present. The focus lies in understanding Canada's development of identity and autonomy socially, politically and economically and culturally as a nation both at home and on the world stage. Additionally students will develop an understanding Canada's political systems, rights and responsibilities in a democratic society and the importance of Canadian citizenship, including First Nations governance and Truth and Reconciliation in Canada. Students will also explore the impact of economic and political ideologies on public policy and investigate human interactions with the environment.

EDUCATION PHYSIQUE ET SANTE 10

Students have opportunities to learn and experience new activities. P.E. 10 introduces different lifetime sports. There are classes in orienteering, field lacrosse, aerobics, social dance, weight training, bowling, and CPR basic training.

MAPLE RIDGE SECONDARY SCHOOL

PHOTOGRAPHIE 9/10

This is an introductory course for students with a desire to learn about the basics of digital photography and design. The camera is now an important part of all our lives and understanding the operational side (Exposure Triangle) is key to unlocking the potential of photography and videography. From work to pleasure, the camera has become a necessary tool in all aspects of life. Students will undertake project-based assignments designed to teach them how to take an interesting photo using a wide range of camera techniques and photography principles. Accepted students will receive an Adobe package as part of the



ARTS VISUELS EN ATELIER 10

The goal of this course is to introduce a strong foundation in various art mediums that will promote practical experiences and develop technical knowledge. Topics include: art foundations, design principles and elements, painting and drawing, pottery, sculpture and media studies. Students provide their own pencils, eraser, fine tip felt pens, glue stick, pencil sharpener, ruler and pencil crayons for this course. Previous experience NOT required.

BA MUSCULATION 10

Students wishing to enhance their physical strength, power, speed, and stamina, as well as those students that could utilize improved self image and self esteem are ideal candidates for this course. Students will be challenged physically through strength training and mentally through anatomy and physiology testing. Units of study include human anatomy & muscle physiology, Olympic lifting, strength & power training via weight, power lifting, sport specific training programs, drug education (i.e. steroid abuse), plyometrics, flexibility training, injury rehabilitation and prevention, and nutrition.

MUSIC - INSTRUMENTAL & CONTEMPORARY MUSIC

Band students are expected to provide their own instruments. Most instruments can be rented for \$10-\$25 per month. A method book, theory program, uniform, and band folder are required (\$50 approximate cost).

MUSIC 9: GUITAR

INSTRUMENTAL MUSIC 10, 11, 12: GUITAR

This is a guitar course well suited for the beginner to intermediate level musician. Students will learn about how to properly use and maintain their guitars, learn a variety of styles from traditional classical guitar to folk style acoustic playing. Students will also learn how to read both tablature and written music notation, finger picking technique and how to strum major, minor, and seventh chords commonly used in popular music genres such as blues, folk, rock, and pop. Students who have already taken guitar or with significant personal experience are recommended to try out the new R&B / Rock Band course, or may register for this course and continue to refine their skills and receive additional individualized assignments.

MUSIC 9: GUITAR ADVANCED

INSTRUMENTAL MUSIC 10, 11, 12: GUITAR ADVANCED

The Advanced Guitar course is for the strong intermediate to advanced level musician. It is expected students have already taken the guitar course for 1-2 years, and have a solid grasp of playing chord changes in major and minor keys, and able to read rhythmic notation for chords, as well as melodic lines in music notation. This class will dive deeper into large and small ensemble music, covering a variety of genres. The Advanced Guitar class will take part in performance opportunities throughout the year.

MUSIC 9: BEGINNER BAND

INSTRUMENTAL MUSIC 10, 11 & 12: CONCERT BAND BEGINNER

Did you miss out on joining band in elementary school or grade 8, and now wish you learned that instrument you've always dreamed of? Maybe you are already in band or choir, but always wanted to try out a different instrument? Well it's never too late to join band at MRSS! We are pleased to offer a new Beginning Band open to all students grade 8 - 12 who have never played a concert band instrument before. Instruments for beginners to choose from include Flute, Clarinet, Alto Sax, Trumpet, Trombone, Euphonium, Tuba, or Percussion. Experienced band students who wish to learn a more advanced instrument may also choose from Oboe, Bassoon, Bass Clarinet, and French Horn. While every effort will be made to allow everyone's first choice instrument, students may need to choose an alternative choice in order to better facilitate balanced instrumentation for the ensemble. Opportunities for solo and ensemble playing, public performance, and service hours are a part of this course.

MEDIAS ET COMMUNICATION NUMERIQUE 11

Medias et communication numerique 11 is designed to lead students in exploring, discovering, interpreting, and analyzing the changing role and influence of digital and print media in today's society. It recognizes that digital literacy is essential to the development of digital citizens. The course will motivate students to reflect critically on how media shapes and influences patterns of behaviour in society, how we communicate, and our understanding of the world. The course offers numerous opportunities for students to demonstrate their understanding and communicate their ideas through a variety of digital media and communications. They will also explore the new possibilities for creative expression provided by digital media. Students will be able to identify ethical, law-abiding social behaviours that can help them make informed decisions.

FRANCAIS LANGUE SECONDE IMMERSION 12

This course is required to receive a bilingual diploma. The course objective is to help students to integrate and enhance the linguistic competencies and linguistic and cultural knowledge acquired during past learning experiences. French Immersion 12 will enable students to gain an overview of the various factors that shape their bilingual identity. It offers many opportunities for students to deepen their knowledge of themselves and others in a changing world. In addition, students will explore different types and genres of texts, from various sources, that reflect Francophone and First Peoples perspectives. The course will encourage students to use critical and creative thinking to analyze various communication situations and refine their communication skills in diverse contexts in order to achieve their personal and career objectives.

COMMUNICATION ORALE 12

Oral Communication 12 is designed to encourage students to refine and clarify their communication through practice and revision of French-language texts, with an emphasis on oral communication. The course provides students with opportunities to explore original texts, as well as to create, write, and share their own texts for a range of purposes and real-world audiences and to develop active listening skills. Through processes of drafting, reflection and revising, students will build a body of work for a range of language situations. Over time, they will develop confidence in their oral and written communication skills. The following are possible focus areas in Oral Communication 12: spoken word, poetry, slam; presentation of poems and fables; plays, reader's theatre, skits; improvisation; radio, podcasts, video; songs; public speaking; debating and argumentation; oral presentations; First Peoples stories; and advertising. This course may also be offered as an early morning class outside of the timetable.

MUSIC 9: CONCERT BAND A.M. :

INSTRUMENTAL MUSIC 10, 11 & 12: CONCERT BAND A.M.

The Concert Band is an intermediate level ensemble for students with a minimum of 1-2 years playing experience on a concert band instrument. Students will continue to develop fundamental skills, learn music theory, and begin to branch out into more advanced techniques and ensemble playing. Opportunities for solo and ensemble playing, public performance, and service hours are a part of this course. This course is also well suited for grade 10, 11, and 12 students who are either less experienced on their instrument or need to develop their playing skills a bit further, but will also serve as peer mentors to younger musicians before moving on to the Wind Ensemble. Please Note for AM Block: This course provides the opportunity for students to take both band and another elective course. The course will run Wednesday and Friday mornings from 7:00am - 8:20am.

MUSIC 9: JAZZ BAND A.M. & P.M. BLOCK

INSTRUMENTAL MUSIC 10, 11 & 12: JAZZ BAND A.M. & P.M.

The Jazz Band is a great place for experienced students to develop playing techniques in a variety of genres including Blues, Latin, Rock, Funk, Ballads, and of course Swing! Instrumentation includes Drums, Bass, Guitar, Keyboard, Trumpet, Trombone, Alto, Tenor, and Baritone Saxophone. Opportunities for large big-band and small combo performance will happen throughout the year. Advanced jazz music theory and improvisation will also be taught. Students who wish to participate in jazz band are expected to also be enrolled in a concert band. This course will meet Monday mornings before school 7:00am - 8:20am, and Wednesdays after school from 2:45pm to 4:00pm.

INSTRUMENTAL MUSIC 10, 11 & 12: CONCERT BAND WIND ENSEMBLE A.M. (A.K.A. WIND ENSEMBLE)

The Wind Ensemble is an advanced level concert band for students with a minimum of 3-4 years playing experience on a single concert band instrument. Students will learn advanced instrumental techniques and music theory, in addition to opportunities for solo and ensemble playing. Public performances and service hours are a part of this course. Please note for students wishing to enrol in Wind Ensemble, placement in Wind Ensemble will be determined by playing test and/or audition with the teacher in the early spring, regardless of current ensemble placement. See Mr. Weingartner with any questions. Please Note for AM Block: This course provides the opportunity for students to take both band and another elective course. The course will run Tuesday and Thursday mornings from 7:00am - 8:20am.

MAPLE RIDGE SECONDARY SCHOOL

MUSIC - INSTRUMENTAL & CONTEMPORARY MUSIC

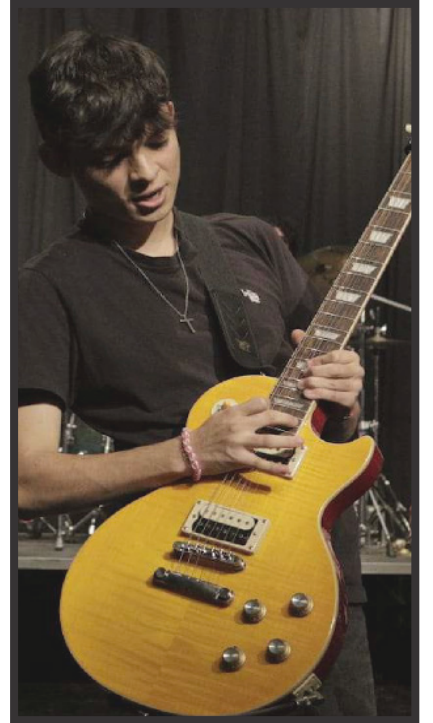
Band students are expected to provide their own instruments. Most instruments can be rented for \$10-\$25 per month. A method book, theory program, uniform, and band folder are required (\$50 approximate cost).

MUSIC 9: ROCK BAND (AKA. INTRODUCTION TO ROCK BAND)

This is a new music course for students in grade 9 who wish to pursue taking our regular Rock Band class in the future but would like to get a solid foundation of basic skills on "Rock" instruments. In this course students will have the opportunity to learn the fundamentals on the core elements of a traditional Rock Band; Guitar, Bass, Drums, Keyboards and Vocals. During full class instruction as well as small group assignments, students will gain a foundational understanding of these instruments, developing independent musical technique, while also working in small groups to put songs together and work towards a blended full band sound. While some previous musical experience is helpful, a total beginner can come into this course and begin learning the skills they need to perform multiple instruments and later apply them to joining a band. Students will also begin learning basic live sound reinforcement skills, and work towards live performance opportunities throughout the year. Upon completion of "Introduction to Rock Band" students should feel confident to continue building upon what they learned in our "Contemporary Music - Rock Band" course throughout grades 10-12. Older students without any musical experience but a desire to play in a Rock Band are welcome to take this class first before diving into the more advanced "Rock Band" course.

CONTEMPORARY MUSIC 10, 11, 12: ROCK BAND

Have you ever wanted to start your own band, but don't know where to start? This course being offered for students who are highly motivated and do well with a predominately self-directed style of learning, where you can start your own band, and get credit for it too! Students in the Rock Band course will form small ensembles, pick their own material in addition to pieces of music assigned by the teacher, and learn how to read and write lead-sheets, arrange songs, record, and perform their own covers and original music. Instrumentation can generally include (but is not limited to): vocals, bass, guitar, drums, keyboards, and horns. Additional topics such as the history of modern recording, rock, R&B, and pop music, and the social impact on society recorded music has had over the past century will be taught. Students will also learn basic live sound and lighting techniques, basic sound recording to record and produce their own demos and learn the fundamentals of the music business and self-promotion skills. Opportunities for live performance will be a part of this course throughout the year. Please note: This course is not suited for beginner musicians. It is highly recommended that students have already taken at least 1-2 years of guitar, choir, or band, our new "Intro to Rock Band" or have sufficient personal experience demonstrated by audition to enroll in this course.



MUSIC COMPOSITION 11 & 12

(AKA: COMPOSITION AND PRODUCTION 11 AND 12)

Nowhere has the digital revolution had more impact than in the creation and recording of music. If you want to write and record your own songs today, then you need to have skills in the use of digital software tools and digital recording equipment. And that is exactly what we do in this course – we learn how to use professional digital tools like Logic Express and Logic Studio to create and record new music. We also look at how to write music in the many different musical genres that led to the music that you hear on the radio today including the blues, soul, funk, rock 'n roll, classic rock, classic metal, modern metal, rap, techno, and hip hop.

MUSIC - CHOIR COURSES

MUSIC 9: CONCERT CHOIR A.M.

This course provides an opportunity to learn how to sing with good vocal technique, learn basic music reading and take part singing in a variety of music styles. The course is designed to develop each student's individual musical skills, learn the responsibilities and value of being a member of a musical ensemble and to continue to foster a life-long love of music. You will have two amazing privileges singing in choir: to be affected by performing music with a community of singers with the same goals and to affect; and evoke emotion of those present in your audience. **Rehearsals take place on TUESDAY and THURSDAY mornings from 7:00-8:15 am.**

CHORAL MUSIC 10, 11 & 12: CONCERT CHOIR MALE CHORUS (TENOR/BASS CHANGED VOICES) NOVUS VOCAL ENSEMBLE

Offered within the timetable. This course provides an opportunity to learn how to sing with good vocal technique, learn basic music reading and take part singing in a variety of music styles. The course is designed to develop each student's individual musical skills, learn the responsibilities and value of being a member of a musical ensemble and to continue to foster a life-long love of music. You will have two amazing privileges singing in choir: to be affected by performing music with a community of singers with the same goals and to affect; and evoke emotion of those present in your audience.

CHORAL MUSIC 10, 11 & 12: CHAMBER CHOIR P.M. SILVA VOCAL ENSEMBLE

This performance ensemble is for senior choral students who enjoy singing challenging, unaccompanied repertoire of every style. This performance group will sing a variety of repertoire such as classical and contemporary music. The Chamber Choir will require students to learn the basics of a cappella in a comfortable group setting. Not only will students see an increase in performance skills and musicality, but also in self-confidence, presence, and the ability to work as part of a team. It is expected that students who take this course will also be enrolled in Concert Choir. Entry into the course will require a voice placement assessment. **Rehearsals take place on Tuesday and Thursday afternoons from 3:00 – 4:30 pm.**

CHORAL MUSIC 10,11 & 12: CONCERT CHOIR A.M. AURORA CONCERT CHOIR

This course provides an opportunity to learn how to sing with good vocal technique, learn basic music reading and take part singing in a variety of music styles. The course is designed to develop each student's individual musical skills, learn the responsibilities and value of being a member of a musical ensemble and to continue to foster a life-long love of music. You will have two amazing privileges singing in choir: to be affected by performing music with a community of singers with the same goals and to affect; and evoke emotion of those present in your audience.

Rehearsals take place on Wednesday and Friday mornings from 7:20-8:20 am.

CHORAL MUSIC 10, 11 & 12: CONCERT CHOIR: WOMEN'S CHORUS (SOPRANO/ALTOS UNCHANGED VOICES) CAELUM CHORALE

Offered within the timetable. This course provides an opportunity to learn how to sing with good vocal technique, learn basic music reading and take part singing in a variety of music styles. The course is designed to develop each student's individual musical skills, learn the responsibilities and value of being a member of a musical ensemble and to continue to foster a life-long love of music. You will have two amazing privileges singing in choir: to be affected by performing music with a community of singers with the same goals and to affect; and evoke emotion of those present in your audience.

BUSINESS EDUCATION

COMPUTER STUDIES 10

Students will get a wide variety of computer experiences that will help them succeed in a computerized world. With the knowledge that students acquire, they will be able to make better decisions on the more specific areas of computer technology courses that are available to them in later school years. Computer graphics, photo editing, desktop publishing, Internet, digital video, 3D animation, programming are all activities that comprise this course.

MARKETING AND PROMOTION 11

This course looks at basic marketing principles including advertising, promotion, display, product development, packaging and branding. Students earn valuable experience in school based projects. Students will focus on discovering ways to marketing themselves, a product and a service through the course of the year. Marketing 11 is a must for students interested in business, entrepreneurship, or looking for a practical way to apply their creativity.

MEDIA DESIGN 11: RIDGE TV

This NEW course centers around creating digital content for our MRSS school community for 13 Smart TV's on the Ridge TV network. You will learn to effectively design digital announcements for all our sports teams, clubs, special events, each grade, spirit weeks, grad class, field trips, and more! A combination of different mobile apps will be used, therefore bringing your own smart phone every day to class is a requirement. Course content will focus on learning how to professionally communicate information for all students to know what's happening at MRSS and how do get involved in school life.

ACCOUNTING 11

This course is useful for anyone interested in the world of business and essential for everyone interested in finance and accounting. As an introduction to bookkeeping procedures and accounting concepts, this course allows students to be aware of and capable of completing the basic accounting cycle and financial statements for a small business. Students who enjoy careful, detailed work with numbers and forms will enjoy taking this practical hands-on course.

MAPLE RIDGE SECONDARY SCHOOL

ACCOUNTING 12

Continuing with the basic Accounting Cycle learned in Accounting 11 (transactions and source documents through adjusted trial balances), Accounting 12 explores the special procedures for cash (including preparation of cash flow statements), merchandising businesses, subsidiary ledgers, and alternative business structures. Accounting 12 provides a huge advantage for students pursuing post-secondary business studies.

E-COMMERCE 12

This is a hands-on course that involves managing our three businesses in the school - The Caf'Eh, Ram Shop and Penalty Box. Students work closely with the Marketing 12 teacher, Ms. Trudeau, in overseeing the running of all aspects of these independent businesses. Students must be capable of working independently and have the opportunity to schedule this class into any block of their timetable. This course open to students in grades 11-12 with mandatory permission by Ms. Trudeau. Entrepreneurship/Marketing 12 is recommended as a pre-requisite.

ENTREPRENEURSHIP 12

For creative people and those who want to be self-directed learners and interested in furthering their entrepreneurial projects or developing entrepreneurial skills. Entrepreneurs imagine new or better ways of doing things to help others or fulfill people's unmet needs or wants. As well, business ownership has been the greatest means of acquiring wealth. Entrepreneurial skills can make those desires a reality. Whether a person is a social entrepreneur (those admirable people who start organizations that educate or benefit society) or a business entrepreneur, they all are inventors - they invent business ventures that work successfully.

MEDIA DESIGN 12: RIDGE TV

This NEW course centers around creating and helping produce digital content for our MRSS school community for 13 Smart TV's on the Ridge TV network. You will learn to effectively lead a team to design digital announcements for all our sports teams, clubs, special events, each grade, spirit weeks, grad class, field trips, and more! A combination of different mobile apps will be used, therefore bringing your own smart phone every day to class is a requirement. Course content will focus on learning how to professionally communicate information for all students to know what's happening at MRSS and how to get involved in school life.

DIGITAL ART ACADEMY

The Digital Art Academy is a unique program that allows high school students to develop advanced levels of skill in the creation of digital art forms. This is an official certificate-granting academy program of the Maple Ridge-Pitt Meadows School District. Students who complete Digital Art required courses as described below will receive a certificate from the academy when they graduate. MRSS is the only high school in BC that offers this kind of opportunity to its students.

Students must successfully complete three of the following courses: Photoshop 11, one of following Grade 11 courses: Drafting 11, Programming 11, 3D Modelling 11, Yearbook 11 (with teacher permission, and one of the following Grade 12 courses: Drafting 12, Programming 12, 3D Modelling 12, Yearbook 12 (with teacher permission), Photography 12 (with teacher permission), or Photoshop 12. Students must have a minimum 80% average in these courses.

DRAFTING 10, 11 & 12

The courses in this area cover drafting fundamentals and construction using 2-D and 3-D CAD programs. It provides students with the background needed for both mechanical and architectural CAD design.

PHOTOSHOP 11 & 12

(AKA: MEDIA DESIGN 11 AND 12)

PhotoShop is an incredibly powerful program for manipulating images to create astounding pieces of digital artwork. In this course we will explore the ways PhotoShop can be used to make stunning art effects that are not possible using traditional art techniques. Not only can this can be a lot of fun and great for personal interest, but this course can help you develop marketable skills for employment. There are a growing number of careers that require PhotoShop skill including movie production, game development, publishing, and marketing.

The grade 11 PhotoShop course is the only required course for a certificate from the Digital Art Academy.

3D MODELLING AND ANIMATION 11 & 12

(COMPUTER INFORMATION SYSTEMS 11 & 12)

One only has to think of movies like Avatar or Toy Story to see the use of 3D characters and animation in our lives today. In this course we develop skill in the creation of 3D models and characters using advanced software like Cheetah, Maya, and Mudbox. Then we explore how these 3D models and animations can be used in creating more complex videos using Adobe After Effects.

COMPUTER PROGRAMMING 11 & 12

In the last five years the video game industry has become larger than the movie industry. It includes programming, graphic design, sound, and story development. These two courses take you through all parts of the industry. Starting by looking at and creating some of the first games in the industry through to the newer 3-D style of games and Apps along with Java programming. By using game development we are able to introduce programming in a visual and interesting way. This is the only Digital Art class that gives students an introduction to computer programming which is the language of all computer technology. Anyone interested in the computer technology area at College or University would greatly benefit from these courses.

DRAMA

DRAMA 9 & 10

See yourself in the spotlight with an audience hanging on to your every word? Gain self confidence and learn to never let the audience see you sweat. Students will begin with improvisation games and group work to develop their skills in trust, concentration, movement and observation. Later activities will include scripted scenes from movies, monologues, larger group plays, the production of a musical number and a video shoot. Memorization and a sense of fun are requirements of this course. This course is open to students in both grade 9 and grade 10. This course is taught in French for French Immersion students.

DRAMA 11

This is the challenging and fun class that you and your friends will remember long after you have left high school. In Theatre Performance 11: Acting 11 you will learn improvisation games as well as relaxation, concentration and memorization techniques. Students will learn about expression of emotion, voice projection, characterization, blocking, stage business and script interpretation. Students will be expected to memorize and present a variety of short scenes and monologues in class and to participate in Playworks, our annual grade 11 one-act play festival. Attendance at one night time performance is required.

DRAMA 12

This course is for the dedicated actor. You need talent and commitment. The class will study different genres of plays, from Greek Theatre to Modern Absurdist. Scene work and public presentations are requirements. Participation in Class Acts, our annual one-act play festival is also a requirement. Topics covered include Greek theatre, commedia del'arte, absurdist drama, Shakespeare, and modern drama. Attendance at night time performances is required.

DIRECTING & SCRIPT DEVELOPMENT 11/12

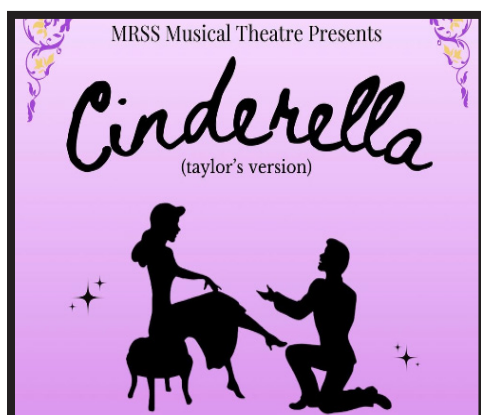
Are you a leader? Do you have fabulous ideas and a good sense of storytelling? Do you write scenes and plays? This course provides practical experience for students interested in writing scripts and directing plays. DS12 students will produce and direct a show for our annual one act play festival as well as write their own scenes, monologs and one act play, You will be working with younger students as a director and so must have great work habits and lots of patience. And, as the director is responsible for the total package, you will need to create sets sounds and costume for your shows as well or find friends to help you. Expect to read many plays and also to write your own material. Drama 11 or permission of the instructor is a requirement.

THEATRE PRODUCTION 11

Tired of bookwork and want to get some hands on experience in event planning, set building, lighting, costuming, and publicity? Members of this course will be involved in all aspects of play production from set design to the wrap party. You will be the coordinators and backstage workers for our Cabaret Nights and annual one-act play festivals so attendance at night time performances is a requirement for an A. Carpentry, computer skills, artistic ability and a head for heights are assets that we look for in this class, but your good work ethic is really all that is needed to make our productions shine.

THEATRE PRODUCTION 12

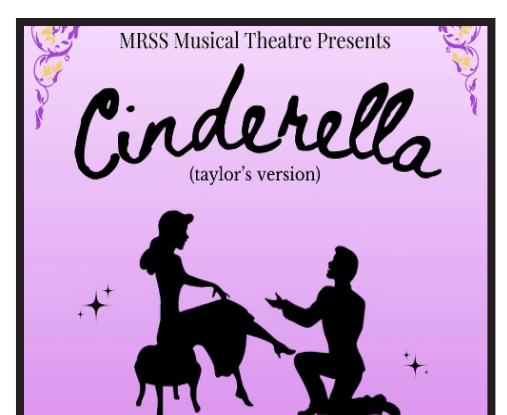
If you want responsibility, this course is for you. Be in charge of lighting, designing, producing and costuming our own shows. This course demands a self starting student as much of the work is project based and will require time outside of class time as well as in class work. The basic skills from Theatre 11 will be expanded on in this course.



MUSICAL THEATRE: MUSIC 9

MUSICAL THEATRE 10, 11 & 12

Offered within the timetable. This course is an introduction to and an exploration of Musical Theatre! It is intended to provide students with an understanding of the elements of Musical Theatre, examining both performance and technical theatre within the framework of a Musical Theatre Workshop. Students will have the opportunity to explore the many elements of Musical Theatre through researching, experiencing and performing. Students will be guided through a triad of musical (vocal development), movement (basic group choreography) and acting (the use of voice and body to communicate character). This course will be considered a Travelling Musical Theatre Company and in encouraging the promotion and importance of live theatre, the group will be performing their musical theatre large class ensemble project at a local elementary school as an outreach arts program to our local and future MRSS community. Musical Theatre is intended to allow students with little or no Musical Theatre experience or skills to participate and engage with success.



MAPLE RIDGE SECONDARY SCHOOL

ART

VISUAL ARTS 9

This course offers the building of skills and experience to enable students to continue in the study of art for personal enjoyment, or to pursue eventual employment opportunities in the field. The major aim is to explore the nature of the principles and elements that form the basis of two and three dimensional works of art. Areas of study include art foundations, art criticism, and design principles and elements. Activities include sculpture, print making, pottery, painting and drawing using ink, pastel, paint, pencil, chalk. Students provide their own pencils, eraser, wax crayons, fine tip felt pens, glue stick, pencil sharpener, ruler and pencil crayons for this course.

VISUAL ARTS 9 3D

This course provides students with an introductory understanding in Ceramics and Sculpture. Activities include the making of functional wheel and hand-built pottery projects. Students have the opportunity to complete sculptural projects using wood, plaster, paper and clay. Students require an apron.

FILM AND TELEVISION 10

If you enjoy watching movies, this is the class for you! Film and Television 10 is about learning to understand film in an informed and critical way. Students will watch 10-15 movies over the duration of the course. We will examine film genre and format, production techniques, camera work, acting strategies, as well as the social and cultural messages contained in movies. A great class for anyone interested in the movie industry, cinematography, special effects, and acting.

FILM AND TELEVISION 11/12 (VIDEOGRAPHY)

If you enjoy watching movies, analyzing the layers of a film, understanding how to create one, and diving into the movie creation process yourself, then this is the class for you! Film and Television 11-12 is where you will learn about film in an informed and critical way. You'll be given the opportunity to express yourself and your ideas creatively in this artistic medium. We will examine great cinema and dissect key elements of film design, production techniques, camera work, acting strategies, as well as the social and cultural messages contained in movies. This will then guide you in your own creations, as this course is a mix of theory and hands-on work.

Designed for students who desire to learn in depth about film making. Taught at a University level this class looks critically at cinema, such as film production, history of cinema, the social influences of media, sound editing in film, genre in film, sociological and political messages in film and styles of film making. Students will have opportunities to express their creative freedom through their own stop motion, film-making and collaborative projects.

STUDIO ARTS 2D 11

This course allows students further exploration into the study of drawing and painting, and is an opportunity to develop a diverse portfolio for post secondary entrance. Students will learn about design principles and elements, illustration, painting (water colours and acrylics), airbrushing, drawing, and cartooning. Students provide their own pencils, eraser, fine tip felt pens, glue stick, water colour brushes, pencil sharpener, rulers, and pencil crayons.

STUDIO ARTS 2D 12

This course provides experienced art students with the opportunity to study further to prepare portfolios for post secondary institutions or employment. Emphasis will be on the elements and principles of design and how they relate to 2 dimensional design. Advanced techniques in fine arts, illustration, and cartooning will also be covered. Students provide their own pencils, eraser, fine tip felt pens, glue stick, water colour brushes, pencil sharpener, rulers, and pencil crayons.

STUDIO ARTS 3D 11

This class enables the student to develop a life skill and to also give individuals a strong basis for further study in 3 dimensional art. Credit from this course will fulfill both Applied Skill and Fine Arts requirements for graduation. Emphasis will be on the elements and principles of design and how they relate to 3 dimensional design. Hand built and wheel thrown pottery will also be instructed. Other activities include various decorative techniques, and sculpture (clay, plaster, wax, paper and metal). Material costs for take-home projects.

STUDIO ARTS 3D 12

This course is designed to give students a foundation which will enable further study at the post secondary level. Emphasis in this course will be on the elements and principles of design and how they relate to 3 dimensional design. Advanced techniques in pottery and sculpture will also be examined and practiced. There will be some costs for take-home projects.

ART STUDIO 10

The goal of this course is to introduce a strong foundation in various art mediums that will promote practical experiences and develop technical knowledge. Topics include: art foundations, art criticism, design principles and elements, painting and drawing through various mediums, pottery, print making, and sculpture. Students provide their own pencils, eraser, wax crayons, fine tip felt pens, glue stick, pencil sharpener, ruler and pencil crayons for this course.

ART STUDIO 11

This course is designed for students to acquire and refine the skills necessary for further study in art. Students will be strongly encouraged to develop a portfolio of works which could lead to the admission to post secondary art programs. Topics covered are foundation skills, sculpture, design principles and elements, art criticism, painting and drawing, art history, print making, silk-screening, and pottery.

ART STUDIO 12

This course is for students who are interested in art as a profession. The preparation of a portfolio for the admission to post secondary art programs is greatly emphasized in this course. Activities include painting and drawing, printmaking, etching, silk-screening, and embossing. Students will learn design principles and elements, hand built and wheel pottery, art history, art criticism, sculpture, and art foundation.

TABLETOP GAME DESIGN 11

Students will learn the elements and principles of tabletop game design. Emphasis placed on the iterative design process with collaboration and teamwork encouraged. Students will also develop marketing strategies based on audience identification research. Students create a tangible product and through the development of game learn the foundational skills in Computer Programming, Concept Design, Collaboration Skills and Time Management.



PHOTOGRAPHY 10 (INTRODUCTION)

PHOTOGRAPHIE 9/10 (FRENCH IMMERSION)

This is an introductory course for students with a desire to learn about the basics of digital photography and design. The camera is now an important part of all our lives and understanding the operational side (Exposure Triangle) is key to unlocking the potential of photography and videography. From work to pleasure, the camera has become a necessary tool in all aspects of life. Students will undertake project-based assignments designed to teach them how to take an interesting photo using a wide range of camera techniques and photography principles. Accepted students will receive an Adobe package as part of the course. Student will be required to produce their own SD Card.

PHOTOGRAPHY 11 & 12

This is an advanced course for students with a desire to learn the technical aspects of photography and graphic design. The class content will cover aperture, shutter speed, I.S.O., and a wide range of camera techniques. In addition to technical lessons, students will have many creative photography assignments. Students must have their own digital cameras with manual controls. This class is ideal for those wanting to pursue post secondary studies in marketing, photography, or digital design. Students must have completed Photography 10 and have prior acceptance from the program coordinator. Students will have opportunity to get credit to the MRSS Digital Arts Academy

PHOTOGRAPHY 12 (ADVANCED)

This is an outside the timetable studio class where students produce professional quality photography of their own choosing with some guidance from the instructor. This is an invite only class or a class that students need experience and prior approval from the program coordinator. While there is some technical instruction, most of the assignments are about creating artistic photography and developing a personal portfolio for self, post-secondary or employment purposes. Many students in this course will be producing portfolios with the goal of attending post-secondary art institutions or to work in the photography/film industry. Students must have their own digital cameras with manual controls. Students will have opportunity to get credit to the MRSS Digital Arts Academy.

MEDIA ARTS 11

This course examines aspects of photography, digital creativity, video and advertising. The is designed for students who are creative and disciplined to explore and expand their media skills. The class begins with understanding photographic elements of design. The course then focuses on creating digital works such as logos, posters, and marketing topics. Throughout the year students will learn about current advertising trends. The class concludes with the creation of a short animation film and learning to use green screen technology. Students are not required to have their own equipment.

MEDIA ARTS 12

This course examines aspects of photography, digital creativity, video and advertising. The is designed for students who are creative and disciplined to explore and expand their media skills. The class begins with understanding photographic elements of design. The course then focuses on creating digital works such as logos, posters, and marketing topics. The course culminates with students understanding and develop projects-based work: stop motion, biographies, short film, etc. Students will be introduced to fundamentals into how to produce a movie, filming techniques, record audio, control lighting, editing and dubbing videos. The class concludes with the creation of a short animation film and learning to use green screen technology. Students are not required to have their own equipment. Students will have opportunity to get credit to the MRSS Digital Arts Academy

GRAPHIC PRODUCTION: YEARBOOK 11 & 12

This course will run on a linear basis - you will take this course for the entire school year. If you are interested in producing a book of memories for your fellow students, then Yearbook might be the course for you. Yearbook provides excellent opportunities to learn photography, writing and page design skills and gain experience using Photoshop and Canva, computer applications used by professional graphic artists. Yearbook also provides opportunities in the areas of teamwork, leadership and working to deadlines. Students are expected to work after school hours to meet deadlines. The selection of students for yearbook class will be based on students being able to prove their dependability, thoroughness, and creativity.

There are 2 divisions in this class:

- photography and event planning, and
- graphic design and book development

Students should have a discussion with the Yearbook Coordinator(s), Teacher(s).

Students taking this course will have opportunity to get credit to the MRSS Digital Arts Academy.

MAPLE RIDGE SECONDARY SCHOOL

HOME ECONOMICS

FOOD STUDIES 9

This course is designed to teach students the basic skills and components of food preparation including adaptations of ingredients, techniques and equipment. Safety and sanitation, basic nutritional requirements, meal planning and ethical issues are all areas of study. The areas of study within the meals include flour mixtures, protein foods, vegetables, grain and dairy products. An apron is required for this course.

FOOD STUDIES 10

This hands-on course is designed to further student knowledge and skills in preparing and serving food. Safety and sanitation, nutritional requirements linked to the individual's well being, meal planning and the impact of global food systems are all areas of study. This course includes the opportunity to take the government sponsored "Food Safe" program which is essential for working in the food / hospitality industry. Highlights of this course include focaccia, fresh pasta, baking and design, and lemon meringue pie. An apron is required for this class. No prior experience needed.

CULINARY ARTS 10 A, B, C

This is an introductory course providing students with entry level training and commercial culinary arts experience. Students gain experience and work co-operatively in the preparation of food for the school cafeteria. Students will work to receive their Foodsafe certification. Units of study will also include: kitchen safety, vegetable cookery, hygiene and sanitation, desserts- baking, pastry, food service occupations, control of food waste, receiving and storage of foods, control of food cost, menu planning/portion control, meat cutting - fish, poultry, basic sauces, soups and stocks, basic salads and sandwiches, selection of recipe/converting recipes, First Peoples Food and Local Agriculture.

CULINARY ARTS 11 A, B & C

This course provides students with training and experience in marketable skills useful in a variety of commercial food services. It is also a great course for anyone who simply loves food and enjoys cooking. Students gain culinary experience and work co-operatively while preparing food served to the school in a fully commercial environment. Students will work to receive their Foodsafe certification. Units of study also include: kitchen safety, vegetable cookery, hygiene and sanitation, desserts- baking, pastry, food service occupations, control of food waste, receiving and storage of foods, menu planning/portion control, meat cutting - fish, poultry, basic sauces, soups and stocks, basic salads and sandwiches, First People's Cuisine and local agriculture. Upon successful completion of Culinary Arts 11, students will gain the equivalent of three grade 11 credits. Multiple classes are available to those who are interested.

FOOD STUDIES 11

This course provides the opportunity to develop greater skills in planning, adapting, preparing and serving food with an emphasis on presentation and nutrition for individuals and family. Students will practice multicourse meals and advanced food preparation methods. Students will explore skills and techniques through global cuisine. Students will also learn about food security, food labelling and policy around marketing practices as well as food guide processes. Highlights include chicken cordon bleu, French onion soup, scones and tea and Christmas Yule log decorating. An apron or chef jacket is required for this course. No prior experience is needed.

FOOD STUDIES 12

Students learn and practice advanced methods of food preparation, and multi course meals. This is a hands on course and prior experience is not required. Explore the high end techniques and skills through the theme of global cuisine. Students will also learn about food justice, regulations and factors that influence food safety, food production and food policies. Highlights include wonton soup, bread design, butter chicken and naan, chicken kebabs, tzatziki and pitas, and more. An apron or chef jack is required for this course. No prior experience required.

CULINARY ARTS 12 A, B & C

While this class will provide the opportunity for students work towards a career or employment in the culinary arts industry and ready students for post secondary culinary training, this course is also perfect fit for any student who is a foodie at heart and anyone who is interested in learning to cook like a chef. Students will work to receive their Foodsafe certification. Units of study also include: kitchen safety, vegetable cookery, hygiene and sanitation, desserts, baking, pastry, food costs, food service occupations, control of food waste, receiving and storage of foods, menu planning/ portion control, meat cutting - fish, poultry, basic sauces, soups, and stocks, basic salads and sandwiches, selection & conversion of recipes, First People's Cuisine and local agriculture. Upon successful completion of the course the student will earn the equivalent of three grade 12 credits. Multiple classes are available to those who are interested. There are no pre-requisites to take this course.

TEXTILES 9

This is a project-based course and prior experience is not required. Learn to use the sewing machine, serger, and cover-lock machines as well as other tools of clothing production. Students will learn pattern adjustment and design fundamentals and apply them to the clothing they choose to create. Possible projects include pj shorts/pants, stuffed animals, bags, pull-over hoodies, hand or machine embroidered pencil cases and pillow cases, t-shirts, skirts, dresses, sweatpants, recycled/up-cycled clothing and accessories.

TEXTILES 10

Enhance your skills or learn to use the sewing machine, serger, and cover-lock machines as well as other tools of clothing creation. Areas of learning focus on fitting and pattern adjustment, design fundamentals, wardrobe planning, as well as practicing and expanding on sewing techniques and up-cycling skills. Possible projects include teddy bear/stuffed animals, zippered hoodie, skirts, jean/board shorts, dresses, bags, quilts, crocheting, knitting, embroidery and accessories. This is a project-based course and prior experience is not required. This course fulfills applied skill requirements for graduation.

TEXTILES 11

Build on your skills and learn new ones to create unique clothes and accessories. Use all textile machines (serger, sewing machine, cover-lock and embroidery machine) and hand sewing techniques to create unique garments and textile items. Projects are usually chosen by the student in consultation with the instructor but often include a jacket/blazer, bags, jeans/ pants, bathing suits, dresses, quilts, and knit or crochet items like scarves, headbands and little stuffed animals. This is a project-based course and prior experience is not required. Student creativity and ideas for projects are encouraged. This course fulfills applied skill requirements for graduation.

TEXTILES 12

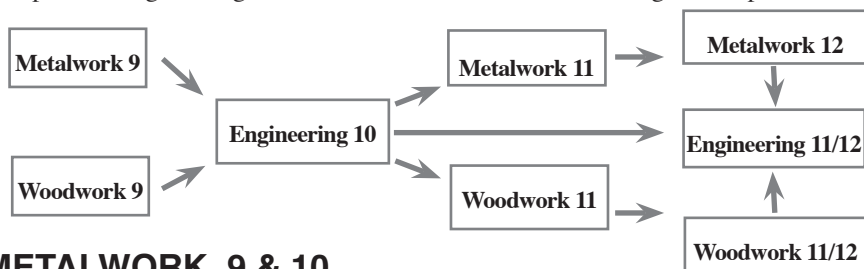
Make interesting and useful projects by manipulating commercial patterns as well as learning to pattern draft. Use all textile machines (serger, sewing machine, cover-lock and embroidery machine) and textile tools to create unique and complex garments and accessories. Projects are usually chosen by the student in consultation with the instructor but often include 3 piece outfits, lined winter coats, stuffed animals, quilts and grad dresses. Student creativity and ideas for projects are encouraged. This is a project-based course and prior experience is not required. This course fulfills applied skill requirements for graduation.

BA TEXTILE ARTS AND CRAFTS 11

This is a project-based course and prior experience is not required. Students will use a variety of craft and sewing tools to make a wide range of projects. Apply the basic principles and elements of art and design to create needlework (cross stitch, embroidery), yarn arts (knitting, crochet), quilts, up-cycled accessories, macrame, and soft sculpture (stuffed animals). Projects are usually chosen by the student in consultation with the instructor.

INDUSTRIAL EDUCATION

Prospective Engineering students should consider the following course path:



METALWORK 9 & 10

This is a general interest course where students begin by exploring hand tools and processes of metalworking. Students will then be introduced to machining metal with drill presses, lathes, and milling machines. Welding is also covered within this course. Projects may include a whistle, yo-yo, hammer, bottle opener, welded dice, collapsible shovel, and more. Areas of development and focus include measurement, basic hand skills, sheet metalworking, methods of joining metals, finishing methods, and design. This course may have material costs for projects.

DRAFTING 10, 11 & 12

The courses in this area cover drafting fundamentals and construction using 2-D and 3-D CAD programs. It provides students with the background needed for both mechanical and architectural CAD design.

ENGINEERING I - 10 (AKA: ENGINEERING 10)

This course runs in the metal shop and is primarily project based. Students can take this course once, either in grade 9 or 10. A previous metalwork or woodworking course is recommended, but not required. Possible projects include - bridge building and testing to failure, hydraulic robot arms, siege engines (and other types of engines), or bottle rockets. You will be introduced to concepts such as reverse engineering, hydraulics, pneumatics, electricity/electronics, mechanical systems, method of mechanisms, strength of materials, and aspects of physics like G-forces, friction, aerodynamics, and projectile motion. This course may have material costs for some projects.

ENGINEERING II - 11 & 12 (AKA: ENGINEERING 12)

No prior experience is required for grade 11s or 12s to take this course. All work is done in the metal shop, and is primarily project based. The course is designed to be interesting and fun for anyone who likes to break, fix, investigate, problem solve, or build. Projects may include bridge building and testing to failure, hydraulic robot arms, siege engines (and other types of engines). Concepts such reverse engineering, logic coding, hydraulics, pneumatics, electrical / electronics, mechanical systems, method of mechanisms, and strength of materials will be studied, along with aspects of physics like g-forces, friction, aerodynamics, and projectile motion. This course may have material costs for projects.

METALWORK 11 & 12

No prior metalworking experience is required for this course. This is a general interest course where students make projects while at the same time expanding their knowledge in the trades area. Activities for this course include benchwork, forge work, metal lathe, arc welding, oxy-acetylene welding, using the milling machine, sheet metalwork and jewelry making. This course may have material costs for projects depending upon student choices. Basic costs are covered.

MAPLE RIDGE SECONDARY SCHOOL

WOODWORK 9

This is an introductory woodworking course. This is primarily a “hands on” course where you will learn basic shop safety, general shop procedures, design & dimensioning, and the use of all hand and power tools in the woodshop. Upon successful completion of Woodwork 9 students will be able to safely use general hand tools, and woodworking power tools. Students will quickly build their woodworking skills while they accomplish the construction of six mandatory projects: Wood Robot/Critter, Phone holder, unique Cutting board, Finger joint storage box, Drink Caddy, and a Folding Table. If time allows students may make a hat rack, scroll saw project, mallet, bowl, or stepping stool.

WOODWORK 10

This is primarily a “hands on”, intermediate woodworking course. Students will use the knowledge acquired in Woodwork 9 and add valuable machine and power tools skills to design and fabricate small furniture items. Students will also learn basic cabinet making procedures using plywood edged in solid wood. Upon successful completion of Woodwork 10, students will be able to use all the tools safely and comfortably in the wood shop. Students will quickly build on their woodworking skills while they accomplish the construction of three mandatory projects: Wooden spoon, unique cutting board with inlay, and a side table. Students are expected to design and create one self-directed project.

WOODWORK 11 BEGINNER

This is a beginner woodworking course. The fundamental skills that are common to the trades of carpentry and joinery will be introduced. Students who have not taken Woodwork 10 will be placed into the introductory class while students who have successfully completed that course will be placed into Woodworking 11. Students will build a series of smaller mandatory projects with an opportunity to design and build a larger individual project. Upon successful completion of Woodwork 11 beginner, students will be able to use all the tools safely and comfortably in the wood shop.

INTEGRATED WOOD / METAL: 11 & 12

This course requires students to have one year prior experience in either a wood or metal course. Projects will require students to learn and work in BOTH the woodshop and metal shop throughout the year, and will incorporate BOTH metal and wood in their construction. Design will be an important component of each project, and the intention is for high quality results. The technology in both shops is expected to make up a large part of the build-experience, this could include computer 3D modelling, 3D printer, laser burner, CNC plasma cutter, electric welding, and everything else the shops provide. Projects could include designer quality mixed-material tables, shelving, wall art, or other personal effects. Be prepared to cover costs due to material expenses.



WOODWORK 11 / 12

An advanced “hands-on” course focusing on millwork, cabinet & furniture making. Students will use the knowledge acquired in lower-level woodworking courses and add valuable machine and power tools skills to design and fabricate furniture. Students will build on their experience and knowledge in the use of hand tools, machines, shop safety, procedures, design, dimensioning, stock selection, and pricing. Students will contribute to one shop/school upgrade project. Students are expected to design and create one larger self-directed project. If time allows students may make additional projects.

POWER TECHNOLOGY 10

Power Tech 10 is an ADST course that focuses on power and energy transfer systems. In a hands-on format, learning includes automotive systems, assembly and disassembly, repair and maintenance energy transmission and alternative energy sources. This is a great course for students looking to get their L or N soon to be aware of how their car works as well as students wanting to take further automotive courses in the future.

AUTOMOTIVE TECHNOLOGY 11

Everyone should know the basics of an automobile and be in control when you need repairs on your car. Students will learn the basic systems in the modern automobile as well as gain the skills to maintain their cars so their cars perform efficiently and safely. You, not the service writer, will decide the most appropriate, cost effective repair for your car. Keep your hard-earned dollars in your pocket and take Auto 11.

AUTOMOTIVE TECHNOLOGY 12

This course focuses on advanced concepts in automotive technologies including mechanical systems, inspections and diagnostic methods as well as serviceability, overhaul, repair and remove and replace. Students also learn about career opportunities in the field.

STUDENT SERVICE COURSES

CIRCLE OF INDIGENOUS YOUTH AND ALLIES 10, 11 & 12

This course will run on a linear basis - you will take this course for the entire school year meeting once per week at lunch. Multiple situations outside of class time, revolving around team actions are expected to be fulfilled to complete the hours required for the course. If you are passionate about the rights of Indigenous People and have a desire to be a part of the solution to recognize and respect of Indigenous culture, then this is the course for you.

This course will lead us towards our relationship with wise practices during a time of great change within our communities. We are fortunate to be able to learn from the people of this land who have lived experience and authentic voices; we will learn about Indigenous community wisdom in action, through embracing cultural ways of knowing and being; talk about case studies from our local and global Nations; deepen critical skills; reawaken gifts; and re-envision what leaders need in order to thrive, while living wholistically into responsibilities, community wellbeing and personal achievements.

You will have the opportunity to bring the Indigenous Ways of being to life with active community projects, while embarking on a personal journey. This program creates the space to regenerate and envision, while expanding personal roots of identity, knowledge, and cultural values within each person's authentic self. We will move from story and practice into action with the guidance of Elders, land-based learning, hands-on case studies, culture, arts, and community dialogue. Wise Practices in Indigenous ways provides the opportunity to center, strengthen, and balance cultural and contemporary competencies.

BA PEER LEADERSHIP 11 & 12

Leadership is designed for the student interested in learning the basic concepts of leadership skills, group processes, leadership practice and planning, and the organization of school activities and events. Students of this course will be introduced to a variety of concepts/skills and then placed in positions of responsibility where they will have the opportunity to practice and refine their leadership skills. It also allows the student the opportunity to improve confidence and poise; to work with peers of diverse backgrounds and attitudes; to meet with leaders in the school and community; be involved in the decision making process; become better citizens of both the school and community. Students will be involved in identifying, organizing, and producing school activities. In essence, this group will be a “Leadership Council”. Each student will be expected to contribute of themselves over and above the typical academic course. This means that it will be necessary for them to work outside of school hours on special projects and event planning.

ENGLISH as a SECOND LANGUAGE

ENGLISH LANGUAGE LEARNER 8 & 9

Students in this course will focus on developing stronger reading and writing skills, using the basic structures of the English language more consistently, gaining confidence in speaking the language, and improving listening comprehension in both social and academic environments. There will be both group instruction and individual independent work. Independent work will consist of materials to remedy areas of academic weakness and develop reading skills and vocabulary. Academic support will also be provided.

ENGLISH LANGUAGE DEVELOPMENT 10

(Beginner/Low Intermediate Level ESL students)

This course is designed to introduce ESL students to the four main English language skills of reading, writing, listening, and speaking. It focuses on developing strategies needed to read, write and extract information successfully in English, and addresses specific needs of students regarding language and culture.

ELL CANADIAN STUDIES 10

This course is designed to acquaint students new to Canada with Canadian geography, history, government, law, culture, customs and current events. In addition, this course allows students to explore Canada's role in the global community. A wide variety of strategies will be used to teach students how to access, comprehend and process information and communicate their understanding. Students will develop their skills in reading comprehension as well as speaking, writing descriptively, and expressing their opinions.

ENGLISH LANGUAGE DEVELOPMENT 11

(Beginner/Low Intermediate Level ESL students)

This course is designed to extend the exploration of ESL students into the four main English language skills of reading, writing, listening, and speaking. Students will be able to interact with greater confidence in familiar situations. The students will practise strategies they have acquired to read and extract information successfully in English, and describe and analyze Canadian culture and customs using more complex vocabulary and sentence forms.

BA ESL COMPOSITION 11

(High Intermediate/Advanced Level ESL students)

This course enables ESL students to develop writing skills that will allow them to be successful in English 10 and English 11. Students will focus on developing skills in writing sentences, paragraphs, and essays, but will also work on expanding vocabulary and responding to a variety of reading materials.

BA PEER SOCIAL SUPPORT 12

This course offers students the opportunity to develop the knowledge and skills necessary to be more empathetic peers and community members towards individuals with diverse abilities. Students will develop background knowledge on diverse abilities/needs and how they impact an individual physically, socially, behaviourally, and emotionally as well as investigate the environmental factors that impact individuals. Students will have the opportunity to work directly with students who have varied abilities including: mild and severe intellectual disabilities, autism, physical disabilities, etc. Through various tasks, Peer Social Support students will work towards gaining empathy, respect, and appreciation for their peers with diverse abilities and help to build a peer support network and a more inclusive school environment for these students.

