



GRADE 11 & 12 COURSE CATALOGUE

GRADE 10 - 12 GRADUATION PROGRAM

To graduate, students will require 80 credits total, with a minimum of 16 at the grade 12 level, and 28 elective course credits.

52 credits are required from the following:

<input type="checkbox"/> Science 10 (4 credits)
<input type="checkbox"/> Social Studies 10 (4 credits)
<input type="checkbox"/> Career Life Education 10 (4 credits)
<input type="checkbox"/> Physical and Health Education 10 (4 credits)
<input type="checkbox"/> An English Language Arts 10 (4 credits)
<input type="checkbox"/> A Math 10 (4 credits)
<input type="checkbox"/> A Science 11 or 12 (4 credits)
<input type="checkbox"/> A Social Studies 11 or 12 (4 credits)
<input type="checkbox"/> Career Life Connections (4 credits)
<input type="checkbox"/> An English Language Arts 11 (4 credits)
<input type="checkbox"/> An English Language Arts 12 (4 credits)
<input type="checkbox"/> A Math 11 or 12 (4 credits)
<input type="checkbox"/> An Arts Education 10, 11, or 12 and/or an Applied Design, Skills, and Technologies 10, 11, or 12 (4 credits)

GRADE 11 & 12 COURSE SELECTION

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GRADE 11 COURSE SELECTION

ENGLISH COURSES

***Students are required to take an English 11 and and English 12 course to meet graduation requirements.**

Grade 11	Grade 12
<p>1 or more of the following options (4 credits each):</p> <ul style="list-style-type: none"> • Composition 11 • Creative Writing 11 • Literary Studies 11 • New Media 11 • Spoken Language 11 • New Media/Digital Production 11 (8 credits) 	<p>1 of the following options (4 credits each):</p> <ul style="list-style-type: none"> • English Studies 12 • English First Peoples 12 • AP Literature 12 (8 credits/linear) <p><i>Electives (4 credits each):</i></p> <ul style="list-style-type: none"> • Creative Writing 12 • Literary Studies 12
<p>Please note:</p> <ol style="list-style-type: none"> 1. Courses marked 11 or 12 can be taken in either grade. There are no prerequisites for the grade 11 and 12 courses. Students can take as many of the grade 11 courses as they want (for example, a student could take New Media and Creative Writing in grade 11, followed by Composition and English 12 in grade 12) 	

ENGLISH 11 COURSES

COMPOSITION 11, (MCMPS11)

The course provides opportunities for students individually and collaboratively to study, create, and write original, authentic pieces for diverse purposes and in diverse forms. Within a supportive community of writers, students will work individually and collaboratively to explore and create coherent, purposeful compositions. They will develop their craft through processes of drafting, reflecting, and revising to build a body of work that demonstrates breadth, depth, and evidence of writing for a range of situations.

The following are possible areas of focus within Composition 11:

- Narrative, expository, descriptive, persuasive, and opinion pieces, with attention to areas such as thesis development, structure, transitions, hooks and leads, persuasion, argumentation, and the study of a wide range of sample works
- Planning, drafting, and editing processes
- Writing for specific professional audiences and specific academic disciplines

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- How to cite sources, consider the credibility of evidence, and evaluate the quality and reliability of the source.

CREATIVE WRITING 11 (MCTWR11)

The course provides students with in-depth opportunities to become better writers through the exploration of personal and cultural identities, memories, and stories in a wide range of genres. Students will study and analyze various texts- short fiction, novel, poetry and Shakespeare as a means to understand themselves and the world around them. Within a supportive community, students will collaborate and develop their skills through writing and design processes. Creative Writing 11 is grounded in the exploration and application of writing processes, inviting students to express themselves creatively as they experiment with, reflect on, extend, and refine their writing. The following are possible areas of focus within Creative Writing 11:

- short fiction and poetry
- creative non-fiction
- memoir
- personal narratives, persuasive, synthesis, expository

LITERARY STUDIES 11 (MLTST11)

This course allows students to delve more deeply into literature. Students can explore specific themes, periods, authors, or areas of the world through literary works (fiction and non-fiction) in a variety of media. Students will:

- increase their literacy skills through close reading of appropriately challenging texts
- expand their development as educated global citizens
- broaden their understanding of themselves and the world
- further develop higher-level thinking

NEW MEDIA 11 (MNMD-11)

As in New Media & Composition 10, this course is designed to reflect the changing role of technology in today's society and the increasing importance of digital media in communicating and exchanging ideas. Since digital literacy is an essential characteristic of the educated, responsible, and caring citizen, students who take this course can expect to learn about concepts that directly connect to social studies and other social sciences. For example:

- the framework for the dynamics of oppression
- bias, propaganda, and manipulation through media
- the idea that texts are socially, culturally, geographically, and historically constructed

Students will have opportunities to demonstrate understanding and communicate increasingly sophisticated ideas through digital and print media; however, students will still be expected to show understanding of grade-appropriate traditional texts (e.g., novel, short stories, poetry) through formal written academic assignments (e.g., literary analysis essays, academic class discussions, reflective & summary paragraphs) as well.

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Skills emphasized are:

- developing higher-level thinking
- composing narrative, expository, descriptive, persuasive, and opinion pieces
- planning, drafting, and editing processes
- citing sources, considering the credibility of evidence, and evaluating the quality and reliability of the sources

NEW MEDIA & DIGITAL PRODUCTION 11: 8 CREDITS (MNMD-11 NM/DP & MMEDD11 NM/DP) , 2 COURSES YEAR LONG

This course links the tenets of Language Arts and Digital Media. This yearlong course focuses on developing reading, writing, and critical analysis skills. Students will use these skills to create content for the school community. This content will then form the basis of a variety of digital media, ranging from television productions to a spectrum of web content. Students will see their work come to life from pre-production to post-production. This fast-paced, rigorous, and deadline-oriented course will strengthen students' literacy skills. The following are possible focus areas in New Media 11:

- media studies
- journalism and publishing
- digital production skills
- community collaborations and social activism

SPOKEN LANGUAGE 11 (MSPLG11)

This course provides a variety of opportunities for students individually and collaboratively to study, create, and use language to produce original pieces. Students create coherent, purposeful compositions while developing and refining their writing abilities and will have the opportunity for performance and public speaking. This course may be of particular interest to students with strong verbal communication skills, students who want to develop their oral language skills, students going into professions in which presentation skills are an asset, and students who may wish to help maintain oral traditions. Focus includes:

- Rhetoric: The study of writing and speaking as a means of communication and persuasion
- examination of speeches in oral and literary forms
- oral tradition
- dissection of literary and oral compositions
- professional applications (speech writing, proposals, debates ... etc.)

ENGLISH 12 COURSES

ENGLISH STUDIES 12: 4 Credits (MENST12)

Similar to English First Peoples 12, this course continues to develop and enhance students' appreciation of literature and language. It includes the core skills from Composition, Creative Writing, Focused Literary Studies, New Media, and Spoken Language. Students must write the provincial English assessment. Skills include:

- reading strategies, comprehension, and analysis
- composing narrative, expository, descriptive, persuasive, and opinion texts
- oral language

ENGLISH FIRST PEOPLES 12: 4 Credits (MENFP12)

Similar to English 12, this course continues to develop and enhance students' appreciation of literature and language. It includes the core skills from Composition, Creative Writing, Focused Literary Studies, New Media, and Spoken Language. In EFP, students specifically focus on the texts, oral traditions, and protocols of First Peoples. Students must write the provincial English assessment. Skills include:

- reading strategies, comprehension, and analysis
- composing narrative, expository, descriptive, persuasive, and opinion texts
- oral language

ADVANCED PLACEMENT ENGLISH 12: 8 Credits (AELC-12) (Student will receive credits in both AP English Literature & Composition 12 and English Studies 12)

In AP English 12 students will learn to analyze and interpret imaginative literature through the careful reading and critical analysis of representative works from various genres and periods. Students will spend a great deal of time and energy exploring literary elements such as work's structure, style and themes, as well as the use of figurative language, imagery, symbolism and tone. An emphasis will also be placed on developing your writing skills as you express your ideas and analysis in expository, analytical, and argumentative essays. Please note that AP English 12 is very demanding, regulated by the AP College board, and taught like a pre-college course. At the end of the AP course, students will be given the opportunity to write the standardized AP exam (used for college/university credit).

LITERARY STUDIES 12: 4 Credits (MENST12)

This course will explore specific themes, time periods, authors and/or areas of the world through literature and a variety of media texts. Literature such as world, feminist, Canadian or First People's may be explored through poetry, short stories, novels, drama, graphic novels and children's literature. Possible areas of focus in Literary Studies include genre-specific studies, Canadian literature, Shakespeare, Mythology, First Peoples texts, thematic studies, and specific author studies.

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CREATIVE WRITING 12: 4 Credits (MCTWR12)

This course is designed for students who are seriously interested in creating a sophisticated writing portfolio reflective of depth and skill. Within a supportive writing community students will collaborate, and develop and refine their writing skills and style through various stages of the writing process. They will explore personal and cultural identities, memories, stories in a wide variety of genres. And they will be given the opportunity to specialize and publish in a real-world context. Students will be expected to write daily and actively participate. Possible areas of exploration:

- fiction and Poetry (e.g., flash fiction, horror, romance, drama, children, script writing, novel, short fiction)
- memoir: narrative, place-based, film memoir
- creative Non-fiction; advertising, features

MATHEMATICS 11 COURSES

***Students are required to take either a Math 11 or a Socials 12 course in their grade 11 or grade 12 year.**

MATH 11 COURSES

WORKPLACE MATH 11 (MAWM 11)

Workplace Math 11 is a continuation of Workplace Math 10. It is designed to provide students with the mathematical understandings and critical-thinking skills identified for entry into many post-secondary trades programs, and for direct entry into the work force. Topics include surface area, volume and capacity measurement, trigonometry, 3D objects, numerical puzzles, finance, algebra, and graphs of data.

FOUNDATIONS OF MATHEMATICS 11 (MFOM 11)

Foundations of Math 11 is intended for students who wish to pursue post-secondary study in fields which may require some mathematics, but do not require knowledge of Calculus. There is emphasis on logical thinking and use of problem-solving strategies throughout the course. The students will be required to complete a research project. In order to be successful, students should allocate an average of 30 to 45 minutes of individual work a day.

Intended topics of the course:

- logical reasoning with applications to plane geometry.
- trigonometry of non-right triangles, with an emphasis on problem solving.
- statistical reasoning; making judgements about a data set based on mean, median, mode, range and standard deviation. Introduction to the normal distribution, its characteristics and some basic applications.

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- proportional reasoning, with an emphasis on unit analysis and problem solving.
- quadratic functions and equations; graphing, using equations to model real-world type problems.
- linear inequalities; using systems of inequalities to model various situations, introduction to basic linear programming.

PRE-CALCULUS 11 (MPREC 11)

This course is for students who intend to attend post-secondary education institutions in fields such as Engineering, Sciences, Computer Sciences and others, where the study of Calculus is a requisite. Students who successfully complete this course should enroll in Pre-Calculus 12 course. The course will provide the students with some of the mathematical tools needed for the study of Pre-Calculus 12 and implicitly of Calculus.

During the course, students will experience intense problem solving processes as well as extensive algebraic manipulation of mathematical expressions. Students will be encouraged to work in small groups as well as individually on their assignments. To be successful in this course, students need a strong background in Algebra and Trigonometry, good reading skills,

as well as the will to spend 45 minutes to an hour a day on individual study at home.

Intended topics of the course:

- real numbers/radicals
- quadratic functions
- quadratic equations
- systems of equations
- trigonometry
- polynomials
- financial literacy
- rational expressions and equations

MATH 12 COURSES

FOUNDATIONS OF MATHEMATICS 12 (MFOM 12)

Foundations of Mathematics 12 is a continuation of Foundations of Mathematics 11 course. As such, the course is for students who plan to enter post-secondary education in a field of study which may require some mathematical thinking, but which does not require knowledge of Calculus. Emphasis continues to be on logical thinking and problem solving skills through analysis of puzzles and strategy games.

Intended topics of the course:

- analysis of logical statements using truth tables and Venn diagrams.
- introduction to Set Theory with problem solving applications.
- combinatorics and counting problems with applications to Probability.

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- polynomial, exponential, logarithmic and sinusoidal functions. Graphs, global behaviour, general characteristics. Use of spreadsheet software and graphing calculators for data regression.
- financial mathematics. Analysis of loans and investments, cost-benefit analysis, mortgages and credit cards. Emphasis is on the use of technological aids.

PRE-CALCULUS 12 (MPREC12)

Note: Pre-Calculus 12 is a prerequisite for Calculus 12.

This course is for students who intend to attend post-secondary education institutions in fields such as Engineering, Sciences, Computer Sciences and others, where the study of Calculus is a requisite. The course is an in-depth study of functions and of some particular classes of functions such as Trigonometric functions or Exponential and Logarithmic functions.

During the course, students will experience intense problem solving processes as well as extensive algebraic manipulation of mathematical expressions. Students will also need to be able to use technology for solving problems. Students will be encouraged to work in small groups as well as individually on their assignments.

To be successful in this course, students need a strong background in Algebra and Trigonometry, good reading skills, as well as the will to spend at least an hour a day on individual study at home.

Intended topics of the course:

- transformations of functions and operations with functions
- sequences and series
- exponential and logarithmic functions
- trigonometry: functions, equations, identities
- polynomial functions
- conic sections

CALCULUS 12 (MCALC12)

Prerequisite: Pre-Calculus 12

This course is for students who intend to attend post-secondary education institutions in fields such as Engineering, Sciences and Computer Sciences. The course is an introductory course in Calculus and covers mostly Differential Calculus with a short reference to Anti differentiation/Integration.

During the course, students will experience working with the tools of Differential Calculus. They also learn about views on the historical developments of mathematics. Students will be encouraged to work in small groups as well as individually on their assignments.

To be successful in this course, students need a strong background in Algebra, Trigonometry and Geometry, as well as the will to spend at least an hour a day on individual study at home.

Intended topics of the course:

- functions – an in depth review of Pre-Calculus courses
- limits
- differentials/derivatives

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- applications of differentials/derivatives
- introduction to integration

SCIENCE COURSES

***Students are required to take either a Science 11 or a Science 12 course in their grade 11 or grade 12 year.**

SCIENCE 11 COURSES

CHEMISTRY 11 (MCH 11)

Students wishing to take Chemistry 11 are strongly recommended to have a C+ or higher in Science 10, and Pre-Calculus 10. Chemistry 11 is an introductory course that will give students an understanding of the composition, classification, properties and behaviour of matter. Problem solving, critical thinking and experimentation are skills used throughout this course. Chemistry 11 is recommended for students pursuing a career in the Sciences or Health Sciences. Daily review, homework completion and strong study skills are required to be successful in Chemistry 11. Course assignments are based on classroom lessons, discussions, projects, and laboratory based inquiry work.

The big ideas to be explored in this course include:

- atoms and molecules are building blocks of matter
- organic chemistry and its applications have significant implications for human health, society, and the environment.

- the mole is a quantity used to make atoms and molecules measurable.
- matter and energy are conserved in chemical reactions
- solubility within a solution is determined by the nature of the solute and the solvent.

EARTH SCIENCE 11 (MESC 11)

Earth Science 11 will focus on the Earth both in relation to its place in the Solar System, and its composition. We will consider the processes that affect both the internal structure and the surface of the planet. Whenever possible students will draw on examples and case studies from British Columbia. This is a Science course however there is less of a Math focus than in other Science 11 courses. A minimum C+ in Science 10 is recommended before enrolling in this course.

- Earth materials are changed as they cycle through the geosphere and are used as resources, with economic and environmental implications.
- Plate tectonic theory explains the consequences of tectonic plate interactions.
- The transfer of energy through the atmosphere creates weather, and this transfer is affected by climate change.
- The distribution of water has a major influence on weather and climate.
- Astronomy seeks to explain the origin and interactions of Earth and its solar system.

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ENVIRONMENTAL SCIENCE 11 (MEVSC11)

This course is an introduction to environmental science. It deals with the issues of making the planet sustainable and able to be a healthy living environment for the years to come. The key ideas include looking at the diversity in local ecosystems. Inquiry based focus will be from biological, chemical and physical considerations. Processes of change is an important topic considering the need for energy in our society. Sustainability and the necessary restoration, including First Peoples' principles will be studied and projects initiated. The focus is on local ecosystems. This is a science course offering a foundation for many future careers. Green issues are becoming a part of many careers. The big ideas to be explored in this course include:

- complex roles and relationships contribute to diversity of ecosystems
- changing ecosystems are maintained by natural processes
- human practices affect the sustainability of ecosystems
- humans can play a role in stewardship and restoration of ecosystems

LIFE SCIENCES 11 (MLFSC11)

Students are strongly recommended to have a C+ or higher in Science 10. Life Sciences 11 is an introductory course for first year biology courses in college or university and is recommended for students wishing to pursue a career in science.

Life Sciences is a course surveying the biodiversity that exists on Earth. Students will have an opportunity to communicate their learning through classwork, tests, projects, article reviews and lab work. They will be challenged to think critically and creatively. In the lab setting, students will need to have strong microscope skills.

Dissections are a required component of this course and students must be willing to participate. The big ideas to be explored in this course include:

- life is a result of interactions at the molecular and cellular levels.
- evolution occurs at the population level
- **organisms** are grouped based on common characteristics

PHYSICS 11 (MPH 11)

Students are strongly recommended to have a B or higher in Science 10 and Foundations of Math and Pre-Calculus 10. Physics 11 focuses on the principles and theories of motion and energy, through the study of 1 and 2 dimensional kinematics, dynamics, energy, work and electric circuits and waves. There is a focused emphasis on lab skills, data analysis, scientific method, scientific inquiry, and applications of physics. ***Students develop critical thinking skills in a meaningful, creative environment. This course will strengthen your problem solving abilities in all areas.*** Physics 11 is a prerequisite for Physics 12.

SCIENCE FOR CITIZENS 11 (MSCCT11)

Science for Citizens 11 deals with inventions and discoveries, and the way in which science and technology affect the well being of individuals and the global society. Note: This course is meant to act as a final science course who do not wish to continue studies within the field of science. The big ideas explored in this course include:

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- **scientific processes and knowledge** inform our decisions and impact our daily lives
- scientific knowledge can be used to develop procedures, techniques, and technologies that have implications for **places of employment**
- scientific understanding enables humans to respond and adapt to **changes** locally and globally.

SCIENCE 12 COURSES

ANATOMY AND PHYSIOLOGY 12 (MATPH12)

Students are strongly recommended to have a C+ or higher in Life Sciences 11 and Chemistry 11. Anatomy and physiology 12 is a recommended course for students wishing to continue in the life sciences in post-secondary. Anatomy and physiology 12 is a course focussing on the human body. Students will have the opportunity to communicate their learning through classwork, tests, projects, article reviews and lab work.

The big ideas to be explored in this course include:

- homeostasis is maintained through physiological processes
- gene expression, through protein synthesis, is an interaction between genes and the environment.
- Organ systems have complex interrelationships to maintain homeostasis

Students must have strong skills for using the microscope. Dissections are a required component of this course and students must be willing to participate.

CHEMISTRY 12 (MCH 12)

Students are strongly recommended to have a B or higher in Chemistry 11 and Pre-Calculus 11. Chemistry 12 is an advanced course that will give students the foundation needed for Chemistry at the post-secondary level. This is a demanding course for those that have succeeded in Chemistry 11 and plan to pursue further studies in this field. Chemistry 12 is strongly recommended for students pursuing a career in the Sciences or Health Sciences.

The big ideas to be explored in this course include:

- reactants must collide to react, and the reaction rate is dependent on the surrounding conditions
- dynamic equilibrium can be shifted by changes to the surrounding conditions
- saturated solutions are systems in equilibrium
- acid or base strength depends on the degree of ion dissociation
- oxidation and reduction are complementary processes that involve the gain or loss of electrons

Daily review, homework completion and strong study skills are required to be successful in Chemistry 12. Course assessment and assignments are based on classroom lessons, discussions, projects, and laboratory based inquiry work.

ENVIRONMENTAL SCIENCE 12 (MEVSV12)

It is strongly recommended that participants have at least a B or higher in Physics, Chemistry or Biology 11. This is an advance course for students wanting to understand and influence our community and the World on decisions around city planning, water use and the prevention of further global warming. The program covers the science behind the issues of having clean water globally and global warming. The focus is on World issues to do with sustainable practices. Projects will include inquiry-based projects to discover what is really going on in climate change today. Environmental science is an increasing part of many careers and opportunities in the increasing green industries. The program will relate to analytical lab work, field studies, engineering and technological applications and health industries. The big ideas to be developed in this course are:

- human actions affect the quality of water and its ability to sustain life.
- Human activities cause changes in the global system
- sustainable land use is essential to meet the needs of a growing population
- living sustainably supports the well-being of self, community, and Earth.

GEOLOGY 12 (MGEOL12)

Geology 12 will draw on prior knowledge of all scientific disciplines to better understand and explain the processes that make up the Earth. Topics of study include: the history of the Earth, Resource Extraction, Rocks and Minerals, and Internal and Surface Processes. This course will develop lab skills and scientific inquiry, as well as introduce students to the work that Geologists do in the world. Hands on, experiential learning is an integral part of this course. Whenever possible topics and examples will relate to British Columbia and our environment. A minimum C+ in any Science 11 course is recommended. The big ideas explored in this course include:

- Minerals, rocks and earth materials form in response to conditions within and on the Earth's surface and are the foundation of many resource-based industries.
- Earth's geological and biological history is interpreted and inferred from information stored in rock strata and fossil evidence.
- The plate tectonic theory explains the changes that occur within Earth and to Earth's crust throughout geological time.
- The form, arrangement, and structure of rocks are affected by three dimensional forces over time.
- Weathering and erosion processes continually reshape landscapes through the interaction of the geosphere with the hydrosphere and atmosphere

PHYSICS 12 (MPH 12)

It is strongly recommended that students have a B or higher in Physics 11. Physics 12 is an advanced course for those students who plan to continue studying science at a post secondary institution. It builds upon the conceptual framework created in Physics 11. Lab skills, data analysis, scientific method, and scientific inquiry continue to be emphasized. Topics of study include: vector kinematics in two dimensions, dynamics, vector dynamics, work, energy and power, momentum, equilibrium, circular motion, gravitation, electrostatics, electric circuits, and electromagnetism.

SOCIAL STUDIES COURSES

***Students are required to take either a Socials 11 or a Socials 12 course in their grade 11 or grade 12 year.**

SOCIAL STUDIES 12 COURSES (*can be taken in your Grade 11 year*)

20TH CENTURY WORLD HISTORY 12 (MWH 12)

This is a course for students that are looking for a more in depth look at the world of the 20th century and not Canada as focused in Social Studies 10, for students who want to gain a better understanding of the course of history and how we got to where we are now.

Students will be expected to know the following:

- the rise and rule of authoritarian regimes
- civil wars, independence movements, and revolutions
- human rights movements, including those of indigenous peoples
- religious, ethnic, and/or cultural conflicts, including genocide
- global conflicts, including World War I, World War II, and the Cold War
- migrations, movements, and territorial boundaries
- interdependence and international co-operation
- social and cultural developments
- mass consumption and production of communication and transportation technologies

ASIAN STUDIES 12 (MASIA12)

This is a course for students who want to know more about Asian geography, culture and history. B.C., positioned on the edge of the Pacific Rim, has many connections to Asia. This is your opportunity to learn more about these places and to learn more about this area of growing world importance. Students will be expected to know the following:

- physical geography, including resource distribution and physiographic features
- human geography, including demography, migration, urbanization, and environmental issues
- industrialization, globalization, economic systems, and distribution of wealth and resources
- interdependence and so-operation
- development, structure, and function of political and social institutions
- social and political movements, including human rights initiatives
- local, regional, and global conflict
- local, regional, and national identities

COMPARATIVE CULTURES 12 (MCMCL12)

This is a course for students that are looking to gain a better understanding of the diversity of value and belief systems around the world, how those systems are shaped and as a result, how those systems are expressed through artistic expressions of culture.

Students will be expected to know the following:

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- definitions of culture and how these have changed over time
- elements of culture and cultural expressions
- conflict and conflict resolution within and between cultures
- systems of power, authority, and governance
- role of value systems and belief systems in the development of cultures
- interactions and exchanges between cultures
- interactions between cultures and the natural environment

COMPARATIVE WORLD RELIGIONS 12 (MWRL 12)

This is a course for students who want to understand more about the worlds' religions. If you are interested in learning more about religion; what constitutes as a religion, how religion influences the world, and us and what they teach about how to live, then take this course.

Students will be expected to know the following:

- characteristics of religion, mythology, and spirituality
- core beliefs, practices, and ethics of world religions, including spirituality in First Peoples' cultures
- approaches to doctrines or belief systems
- institutional and social structures
- sacred texts, traditions, and narratives
- art, architecture, narratives, and other forms of expression
- relationship between religion and government at different times and places

CONTEMPORARY INDIGENOUS STUDIES 12 (MINST12)

This course requires students to continue to refine and further expand on the Social Studies skills they have learned to date (e.g., gathering, interpreting, and analyzing ideas and communicating findings and decisions) with the various aspects of historical thinking in mind.

The course focuses on the following big ideas.

- The identities, worldviews, and languages of indigenous peoples are renewed, sustained, and transformed through their connection to the land.
- Indigenous peoples are reclaiming mental, emotional, physical, and spiritual well-being despite the continuing effects of colonialism.
- Indigenous peoples continue to advocate and assert rights to self-determination.
- Reconciliation requires all colonial societies to work together to foster healing and address injustices.

GENOCIDE STUDIES 12 (MGENO12)

Genocides are one of the worst atrocities committed by human beings on other human beings. The term itself has profound legal, political and cultural ramifications. This course probes the various reasons genocide occurs, how it progresses and the attempts at disruption and resistance.

Students will be expected to know the following:

- origins and development of the term "genocide"
- economic, political, social, and cultural conditions of genocide

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- characteristics and stages of genocide
- acts of mass violence and atrocities in different global regions
- strategies used to commit genocide
- uses of technology in promoting and carrying out genocide
- recognition of and responses to genocides
- movements that deny the existence of or minimize the scope of genocides
- evidence used to demonstrate the scale and nature of genocides
- international law and enforcement

HUMAN GEOGRAPHY 12 (MHGEO12)

This is a course where students will examine the impacts humans have had on the environments at a local, regional and global level. Students will analyze political, social and economic impacts groups of people have had over other parts and people of the world.

Students will be expected to know the following:

- demographic patterns of growth, decline, and movement
- relationships between cultural traits, the use of physical space, and impacts on the environment, including First Peoples cultures
- global agricultural practices
- industrialization, trade, and natural resource demands
- increased urbanization and influences on societies and environments
- relationships between natural resources and patterns of population settlement and economic development
- political organization of geographic regions

LAW STUDIES 12 (MLST 12)

This is a course for students who want to understand legal rights and responsibilities that allow citizens to participate more fully in society. If you are interested in understanding how our courts and laws work then take this course.

Students will be expected to know the following:

- key areas of law such as criminal law, civil law, and family law
- foundations of Canadian law
- structures and powers of the federal and provincial courts and administrative tribunals
- the Constitution of Canada and the Canadian Charter of Rights and Freedoms
- legislation concerning First Peoples
- role of the judiciary as a constitutional check on legislative power
- Canada's correctional system
- legislation concerning children and youth
- legal resources and services, both online and in the community
- structures and roles of global dispute resolution agencies

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PHILOSOPHY 12 (MPHIL12)

This is a course for students who want to examine the fundamental nature of knowledge, reality, and existence. If you are interested in developing tools for investigating meaning and fostering understanding of different ways of thinking then this is an ideal course for you.

Students will be expected to know the following:

- methods of reasoning and argument in philosophy
- metaphysical theories about the nature of reality
- ontological theories of being
- epistemological theories about knowledge and truth
- theories of justice and freedom
- theories of morality and ethics

PHYSICAL GEOGRAPHY 12 (MPGEO12)

This is a course where students will examine the nature of the physical world. Students will be required to analyze, interpret and understand processes related to plate tectonics, gradation, natural disasters, weather and climates, biomes, natural resources and sustainability.

Students will be expected to know the following:

Incorporating data from a variety of sources allows us gain a better understanding of our globally connected world.

Natural processes have an impact on the landscape and human settlement.

Human activities and resource use affect the environment.

Interactions between human activities and the atmosphere affect local and global weather and climate.

POLITICAL STUDIES 12 (MPLST12)

This is a course for students looking to gain a better understanding of the making of political decisions, how institutions and ideologies shape and are the outcomes of power in a society. If you are interested in better understanding how government works and affects your life, take this course.

Students will be expected to know the following:

- structure and function of Canadian and First Peoples political institutions
- major ideologies and political systems
- election processes and electoral systems
- role of mass media in democratic societies
- power relationships between citizens, government, and other bodies in the creation of public policy
- scope and characteristics of the international system
- issues in local, regional, or national politics in Canada
- issues in global politics, such as security, conflict management, development, and sustainability

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SOCIAL JUSTICE 12 (MSJ 12)

This is a course for students who have an interest in activism and advocacy, for those interested in learning about problems in society and initiatives to fix them.

Students will be expected to know the following:

- various theoretical frameworks, interpretations, and concepts of social justice
- connections between self-identity and an individual's relationship to others in society
- connections between social justice issues
- past and present social injustices in Canada and in the world, their possible causes, and their lasting impact on individuals, groups, and society
- roles of governmental and non-governmental organizations in issues of social justice and injustice
- processes, methods, and approaches individuals, groups, and institutions use to promote social justice

URBAN STUDIES 12 (MURST12)

This is a course where students will analyze and understand the process by which urbanization has taken place. Students will examine local, regional, global and historic patterns of settlement; understand the decision-making process when planning and designing cities and regions, what role the government plays in the process and contemporary issues facing urban centres.

Students will be expected to know the following:

- urbanization as a global phenomenon
- historic settlement patterns in urban centres
- local and regional governance in BC and relationships with other levels of government functions of local and regional government
- urban planning and urban design
- decision making in the planning of cities and regions
- contemporary issues in Urban Studies

CAREER & WORK EXPERIENCE COURSES

****Students are required to take a Career Life Education 10 and Career Life Connections 12 to meet graduation requirements.***

CAREER LIFE CONNECTIONS 12 (MCLC12)

Career Life Connections 11 is a 4-credit course designed specifically to give Grade 11 students time to critically think about and plan for their future after high school. Students in this class will have the opportunity to complete their Career Education graduation requirements early. This course supports students in the process of becoming successful, educated citizens by providing them with the opportunities to explore a variety of careers and options for their future. They will discover the bridge between classroom learning, the workplace and post-secondary realities. Students will learn how/when to start post-secondary and scholarship applications. They will also have an opportunity to go on a number of field trip to explore career options and local colleges and universities. This course captures and celebrates each student through numerous learning experiences contributing to a significant demonstration of learning in the Capstone Project (Graduation Transitions Plan).

ELECTIVE COURSES

******Elective choices may also be made from the
REQUIRED course section (pg 1-19)***

Grade 11 students must choose 4 electives & 2 alternate electives

LANGUAGES COURSES

FRENCH 11 (MFR 11)

Students are able to interact with greater confidence in familiar situations and apply their growing range of strategies more consistently. French 11 students will use a range of speaking, listening, reading and writing skills to:

- exchange information
- express opinions and emotional reactions
- narrate more complex stories or events
- recognize and use time indicators and language patterns in a variety of situations
- understand complex authentic oral, visual and written Francophone creative works
- understand cultural differences and use cultural cues
- rephrase in French to compensate for expressions they may not know
- self-monitor and correct recurring or significant errors in communication

Students who successfully complete French 11 will have the minimum required language credit for admission to colleges and universities.

FRENCH 12 (MFR 12)

Students will engage in increasingly complex and spontaneous oral interactions in which they demonstrate their ability to communicate in French, as well as the strategies they have developed to sustain and extend communication. Students will use a range of speaking, listening, reading and writing skills to develop their ability to:

- research, prepare and discuss plans and other information
- exchange ideas and debate or discuss
- retell and analyse events with a more complex timeline
- use complex time indicators, language patterns and vocabulary
- participate in spontaneous situations
- understand complex and sophisticated authentic Francophone oral, visual and written creative works
- understand cultural perspectives and use cultural cues in spontaneous situations
- negotiate meaning by using questions in French and other techniques for clarification
- summarize information in oral, graphic and written forms
- seek out and create practice opportunities in and out of the classroom

INTRODUCTORY PUNJABI 11 (MIPUN11)

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This is an introductory level Punjabi course open to senior students who have never taken a Punjabi course before. This beginner's course will introduce the students to Punjabi alphabets, basic grammar structures, vocabulary and oral skills. Students will explore Punjabi culture with emphasis on history, festivals, religion and music.

Students who successfully complete Introductory Punjabi 11 will have the required language credit for admission to SFU, but may need to complete Punjabi 11 if they wish to apply to other institutions. Please note that institutions' admission requirements may change at any time, and the applicant is responsible to check the individual institution's requirements to which they are applying.

PUNJABI 11 (MPUN 11)

This is an intermediate level Punjabi course. Students who have successfully completed Intro Punjabi 11 or have a formal language background in Punjabi are eligible to take this course. Through a variety of communicative activities and projects, students will continue to expand their vocabulary and refine their ability to talk and write about past events as well as express their opinions about more abstract and hypothetical ideas. It refines skills already acquired in the language. Students will develop communication skills through listening, speaking, reading and writing. Students will explore Punjabi culture with emphasis on history, festivals, religion and music.

Specific examples of content covered in the course include:

- Gurmukhi script: reading, writing, listening and speaking in Punjabi
- review of consonants and vowels
- simple grammar: gender, plurals, nouns, pronouns, verbs, auxiliary verbs etc.
- history: A history of the development of the Punjabi language and the Punjab region
- culture: learn about Punjabi traditions and appreciation of Punjabi art forms. We will also deal with variety of social issues through class- discussions, songs, films & videos.
- readings: reading from a variety of literature sources: short stories, fiction, non-fiction, newspapers, news and poems.

Successful completion of Punjabi 11 provides the minimum language entrance requirement needed for universities and colleges.

INTRODUCTORY SPANISH 11 (MBSP 11)

Bienvenidos! This course will cover your basic Spanish speaking skills allowing you to have conversations with locals when you travel. You will learn to speak, read, write and listen in Spanish, while learning about Hispanic culture. This course will allow you to gain basic speaking skills, discuss fiestas and cultural events that happen around the globe.

What you gain:

- basic speaking skills allowing you to speak in both present and past
- be able to read and write at a beginner level so that when you travel you can understand tourist information!
- be able to have a basic conversation in over 22 countries around the world
- communicate at the airport, in restaurants, at food and clothing stores
- the ability to say you speak Spanish on your resume

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Students who successfully complete Introductory Spanish 11 will have the minimum required language credit for admission to SFU, but may need to complete Spanish 11 if they wish to apply to other institutions. Please note that institutions' admission requirements may change at any time, and the applicant is responsible to check the individual institution's requirements to which they are applying.

SPANISH 11 (MSP 11)

Spanish 11 continues to build on the concepts and ideas that students have previously learned in Spanish 9 & 10. Students will be able to have Spanish conversations that are more extensive and participate in activities that are more complex. It centres on a variety of themes such as childhood, advertising, and literature. Due to the communicative nature of this course, active participation is an essential part of this class. Spanish 11 also acts as a preparatory course for Spanish 12; therefore, there is a great deal of emphasis on oral and written expression. By the end of Spanish 11, students should be able to express themselves in the past and present, using structures that are more complex and a wide variety of vocabulary. Evaluation is on communicative proficiency in all of the four language skills: speaking, listening, reading, and writing.

Students who successfully complete Spanish 11 will have the minimum required language credit for admission to colleges and universities.

SPANISH 12 (MSP 12)

Spanish 12 is a course designed for students with a genuine interest in the language and culture of Spanish-speaking countries. It is a continuation of Spanish 11, and continues to build vocabulary, language structures, and language learning skills. Students will be able to have more extensive conversations and discussions about issues that are relevant to them. Themes include fiestas, shopping, film, travel, and the outdoors. Due to the communicative nature of this course, active participation is essential. By the end of Spanish 12, students should be able to express themselves comfortably in the past, present and future time frames using more complex structures and a wide variety of vocabulary. Evaluation is on communicative proficiency in all of the four language skills: speaking, listening, reading, and writing. There is a great deal of emphasis on oral and written expression.

PHYSICAL EDUCATION COURSES

OUTDOOR EDUCATION 11 (MODED11)

Explore your world! Students develop knowledge, skills and an appreciation for the outdoors by participating in a variety of outdoor experiences, such as rock climbing, snowshoeing, and hiking. Practical skills, such as what to pack and how to pack for a hike will be put into practice by actually doing it. This course has components that will be completed outside of traditional school hours, including evenings and weekends. Ideal for students who are looking to develop a closer connection with nature, or have a career interest in the adventure recreation fields, tourism, resource management, and eco-tourism.

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ACTIVE LIVING 11 (MACLV11)

Through participation in a variety of activities, students will develop a positive attitude towards active living, demonstrate a functional level of activity-specific motor skills and develop career and occupational opportunities related to physical activities. Students will be introduced to available community recreational facilities and services. Emphasis will be placed on the development of leadership skills and possibly first aid certification. Volunteer hours will be required.

FITNESS AND CONDITIONING 11 (MFTCD11)

Through participation in a variety of activities, this course is designed to enable students to improve their personal level of fitness and develop lifelong fitness goals and knowledge. Students of all fitness levels will set individual fitness goals and develop and maintain a personal fitness program. An increased level of fitness through a variety of activities can and will increase each individual's social, emotional, mental and physical health

FITNESS AND CONDITIONING 11: WEIGHT TRAINING (MFTCD11 WT)

This course is designed to support and encourage students' safe and effective participation in weight training. Students will gain hands-on weight training techniques, knowledge of principles of training, safety procedures, adaptations to training, nutrition and supplement use. Students will be expected to plan and carry out specific weight training and/or cardio programs that will help them reach their specific individual goals. Students will record and reflect upon their program throughout the course.

FITNESS AND CONDITIONING 12: SUPER FIT (MFTCD12 SF)

Through participation in a variety of activities, this course is designed to enable students to improve their personal level of fitness and develop lifelong fitness goals and knowledge. Students of all fitness levels will set individual fitness goals and develop and maintain a personal fitness program. An increased level of fitness through a variety of activities can and will increase each individual's social, emotional, mental and physical health

ACTIVE LIVING 12 (MACLV12)

This course enables students to enhance their quality of life through active living. Emphasis will be placed upon leadership skills acquisition, CPR certification and further opportunities to use community recreational facilities and services and outdoor pursuits.

BUSINESS EDUCATION COURSES

ACCOUNTING 11 (MAC 11)

Prerequisite: NONE

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This entry-level accounting course will cover the fundamentals of accounting and basic bookkeeping concepts. This is a recommended course for students considering post-secondary business programs, planning to run their own business, or applying for an entry-level bookkeeping position in a company. Students will be introduced to the accounting cycle, debit and credit theory, and learn to prepare financial statements. Students will also have an opportunity to use accounting software to prepare business transactions.

ACCOUNTING 12 (MACC 12)

Prerequisite: Accounting 11

Accounting 12 is a continuation of Accounting 11. Topics include financial reporting, accounting principles, inventory systems, basic payroll, ledgers, specialized accounting journals, account reconciliations, and cash controls systems. The concepts of this course will help students develop strong analytical and decision-making skills that will help them with their future business endeavors. This course is highly recommended for any student who is wishing to pursue a career in business.

BUSINESS COMPUTER APPLICATION 11 (MCINF11 BCA)

Prerequisite: NONE

Prepare yourself for entering the world of work or post-secondary. This course presents students with important fundamental business and computer skills required to be successful in the 21st century. Students will become proficient in using PowerPoint, Excel, Word, Photoshop, and InDesign. Students will learn how to be responsible digital citizens, and have a better understanding of the effects of social media. Students will leave this course with a strong understanding of computer ownership, ethics with online material, and the advantages and disadvantages different computer applications.

BUSINESS INFORMATION MANAGEMENT 12 (MBCA 12 BIM)

Prerequisite: NONE

Prepare yourself for entering the world of work or post-secondary. This course presents students with important fundamental business and computer skills required to be successful in the 21st century. Students will become proficient in using PowerPoint, Excel, Word, Photoshop, and InDesign. Students will learn how to be responsible digital citizens, and have a better understanding of the effects of social media. Students will leave this course with a strong understanding of computer ownership, ethics with online material, and the advantages and disadvantages different computer applications.

ECONOMICS 12 (MEC 12)

Economics 12 is an academic Business Education course that studies the production, distribution and consumption of goods and services. Students will learn how individuals and societies make decisions on how to use their limited resources to satisfy their wants and needs. This course covers topics such as Decision Making, Business Organization, Supply and Demand, Scarcity, Employment, and the Stock Market. These concepts will encourage students to develop analytical and decision-making skills, while providing beneficial

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knowledge that will help students succeed in school and in life! If you plan on going into the field of business, an understanding of Economics is a must in your timetable!

ENTREPRENEURSHIP 12 (MENT 12)

Prerequisite: NONE

Do you want to be your own boss? Do you have innovative ideas? Learn to identify and explore opportunities to turn your ideas into a reality. Entrepreneurship students will learn the following:

- valuable business skills
- business plan essentials
- personal networking skills
- basics of market analysis
- managing cash flow and tracking business expenses

Students will embrace their inner entrepreneurial spirit and apply their learning, by developing and implementing their own business venture. This course will help build confidence and leadership skills while providing beneficial knowledge to help students succeed in business and in life!

MARKETING & PROMOTION 11 (MMAP-11)

Prerequisite: NONE

Welcome to the world of marketing! Explore ways in which marketing and promotion is used to persuade consumers to buy a product or service. In Marketing, students will learn the fundamentals of marketing including; Target Markets, Positioning and Branding, 4 P's of Marketing, Market research, and Ethics in Marketing. In this course, students will express their creativity and demonstrate their understanding of course content through project-based learning, both individually and in groups.

FINE ARTS COURSES

ART STUDIO 11 (MVA11)

Art Foundations 11 is a general level course in the Fine Arts program that focuses on historical and contemporary aspects of art; personal imagery development; experimentation with traditional and electronic medias (drawing, painting, printmaking, ceramics & sculpture, and digital photography). Students are required to demonstrate their knowledge of elements and principles of design; perceive, respond to, create, and communicate through imagery; reflect on personal, social, cultural, and historical contexts. No prerequisite is required, but completion of a prior art course is recommended. Concepts and skills taught in this course establish a foundation for future careers in graphic design, industrial design, interior design, animation, movie industry, photography, and architecture, etc.

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STUDIO ARTS 3D 11: CERAMICS AND SCULPTURE (MVAC 11 CER)

Ceramics and Sculpture 11 is a specialization in the Fine Arts Graduation program. The course provides an excellent foundation in the basic concepts, materials, methods and history. Students also receive a strong foundation in technical processes related to a wide range of forming and firing methods. A special focus is placed on the integration of forms, surfaces and materials in the development of a personal style, emphasizing originality and expressiveness. The course requires that students produce eight 3D pieces that demonstrate a broad range of expression in two main areas, ceramics (hand-building in clay or pottery work) and sculpture (paper mache, styrofoam carvings, wood assemblage, wire, and recyclable material), of which four pieces must concentrate on a particular theme. No prerequisite is required, but completion of a prior art course is recommended.

STUDIO ARTS 2D 11: DRAWING AND PAINTING (MVAD 11 DRW)

Drawing and Painting 11 is a specialization in the Fine Arts Graduation program for students who students who enjoy 2D art expression. Projects consist of a variety of subject matter (still life, landscape, the figure, and self-portraiture); knowledge, comprehension, and application of elements & principles of design; working in a variety of art mediums: graphite, coloured pencils, charcoal, conte, oil pastel, pen & ink, watercolour, acrylic paint, and mixed media. In addition, students will expand their understanding of the creative process through engagement in class discussions about historical and contemporary art issues. No prerequisite is required, but completion of a prior art course is recommended.

PHOTOGRAPHY 11 (MVAPH11)

Photography 11 requires in-depth student exploration of “big idea” concepts and producing a comprehensive portfolio of photographic images (portraiture, natural landscape, and built-architectural) that demonstrates: personal voice, story, and values in connection to a specific place, time, or context. There will be increasingly sophisticated application of elements & principles of design, image development strategies, processes, and technologies (cameras, “live” & “studio-based” lighting, and Adobe Photograph toolbar & filter tools). No prerequisite is required , but completion of a prior art/photography course is recommended.

ART STUDIO 12: FOUNDATIONS (MVA12)

Art Foundations 12 (AF12) is an advanced level course in the Fine Arts Graduation program for students who wish to pursue self-guided (contract) learning projects, prepare portfolios for a post-secondary visual arts programs, and explore traditional art careers. Students will reflect on personal, social, cultural, and historical contexts; perceive, respond to, create, and communicate themes and issues through imagery; experiment with a broad range of art medias such as drawing, painting, printmaking, ceramics/ sculpture, and digital photography. No prerequisite is required, but completion of a prior art course is recommended. Concepts and skills taught in this course establish a foundation for future careers in graphic design, industrial design, interior design, animation, movie industry, photography, and architecture, etc.

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STUDIO ARTS 3D 12: CERAMICS AND SCULPTURE (MVAC12 CS)

Ceramics and Sculpture 12 (VA3D12) is a specialization in the Fine Arts Graduation program for the advanced-level students who have prior experience with three-dimensional art practices. The course provides an in-depth exploration of “big ideas” concepts, materials, and methods of three-dimensional inquiry. Students learning may involve prescribed or self-guided (contract) learning projects; preparing portfolios for admissions to post-secondary visual arts programs; investigating options for employment in digital art fields. No prerequisite is required, but completion of a prior art course is recommended.

STUDIO ARTS 2D: DRAWING AND PAINTING 12 (MVAD12 DP)

Drawing and Painting (VA2D12) is a specialization in the Fine Arts Graduation program for students who wish to explore personal, conceptual, and experimental 2D art expression. Projects involve a variety of subject matter (still life, landscape, the figure, and self-portraiture); knowledge, comprehension, and application of elements & principles of design; working in a variety of art mediums: graphite, coloured pencils, charcoal, conte, oil pastel, pen & ink, watercolour, acrylic paint, mixed media, and interactive digital media (computer art & photography). No prerequisite is required, but completion of a prior art course is recommended.

PHOTOGRAPHY 12 (MVAPH12)

Photography is an art form that uses light and optics to capture visual expression; it reflects the interconnectedness of the individual, community, history, and society; it is a unique way to represent self, personal identity, and cultural expression; it requires the engagement of mind and body; growth in skills are dependent on perseverance, resilience, and reflection. Photography 12 is intended for highly able students who wish to pursue self-guided (contract) learning projects, explore interactive use of technology, and do post-secondary portfolio development/ or career preparation for future employment as a photo editor, commercial photographer, product photographer, and creative content coordinator, etc. No prerequisite is required, but completion of a prior photography course is recommended.

HOME ECONOMICS COURSES

FOOD STUDIES 11 (MFOOD 11)

This course extends knowledge, skills and attitudes about food and cooking. You will expand your culinary palette by exploring food from all over the world. Discover your creative talents by incorporating technology and the design process to produce dishes of your own choice.

INTERPERSONAL AND FAMILY RELATIONSHIPS 11 (MIAFR11)

This course focuses on exploring what influences you and the relationships you have with the people around you. Students will research how they, their friends and their family fit into society, and what causes each society to be unique. Learning about human interaction and communication is a key theme throughout the course. Familial, romantic, social and professional relationship types will be explored in this class and how each type of relationship

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impacts you. If you are interested in a future career that involves working with people, or just learning more about the social structure of the world around you, then this is a great course!

PSYCHOLOGY 11 (YPSYC1A1)

How do drugs affect a person's brain? What is it like to have schizophrenia? How controlled are you by forces you are not aware of? How can you reduce anxiety? How much does your childhood affect you now? These are some of the questions that are explored in Psychology 11. This course is designed to give students an introduction to psychology, while focusing on applicable skills and will change the way you see the world.

PSYCHOLOGY 12 (YPSYC2A)

What causes people to join cults? How do advertisers target you? How can you build better communication skills? How can you best help people who are in psychological distress? How does attraction work? What are the "love languages"? These are some of the questions that are explored in Psychology 12. This course is designed to build on students' knowledge and further their ability to understand the world using a psychological mindset.

TEXTILES 11 (MTXT 11)

No prerequisite required. Whether you are new to sewing or have some experience, take this class for a more hands-on approach to learning. Projects are selected based on your ability but could include: pajamas, sweatshirts, pants, tops, dresses, quilts, and other accessories. More advanced students will have the opportunity to work with more complicated fabrics and patterns and will learn a variety of new sewing techniques. Have fun designing your own project or giving a new look to something you already own. In addition to sewing, we will explore issues and careers in the fashion and textile industry.

TEXTILES 12 (MTXT 12)

No prerequisite required. Whether you are new to sewing or have some experience, take this class for a more hands-on approach to learning. Projects are selected based on your ability but could include: pajamas, sweatshirts, skirts, dresses, jackets, quilts and other accessories. Students who have completed previous courses in textiles will develop their skill base by choosing more advanced projects and textiles. Have fun designing your own garment, craft or accessory. In addition to sewing and design, we will explore issues and careers in the fashion and textile industry and in the post-secondary options that are available.

CHILD DEVELOPMENT AND CAREGIVING 12 (MCDAC12)

This course focuses on students interested in a future career of working with young children. The curriculum will provide students with the understanding of the growth and development of children, from conception to elementary age. Students will also learn the skills, rights, responsibilities and opportunities of various childcare careers. Cumulatively students will demonstrate their understanding of child development and caregiving with a final inquiry project.

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TOURISM 12 (MTRM 12)

Tourism is a course that focuses on the development and ever changing face of the tourism industry in Canada. Tourism focuses on applied design, which conducts user-centered research to understand design opportunities and barriers. Applied skills and technologies prepare students to work in the new environments of the modern age. There is a heavy focus on local, Canadian and Aboriginal tourism. Students will engage in critical thinking skills in relation to issues in the tourism industry. The aim is to get students to understand the current situation of tourism and be able to predict future trends and find success in vocations related to the tourism industry.

INFO TECH COURSES

INTRODUCTORY INFO TECH COURSES

MEDIA DESIGN 10 (MMEDD10)

Are you interested in digital imagery and graphics? Do you want to create 3D models and experiment with virtual reality? Have you ever wanted to shoot your own professional looking movies and create special effects? Then Media Design might be the right course for you! Students will have the opportunity to develop proficiency in the use of digital cameras and camcorders, while using applications such as Photoshop, Illustrator, Premier, AfterEffects and Blender to create digital designs. Students will also have the chance to publish and print their creations, ranging from t-shirt designs to 3D printed objects.

WEB DEVELOPMENT 10: INTRODUCTION TO COMPUTER PROGRAMMING (MWBDV10)

Have you ever wanted to develop your own game or app? In Introduction to Computer Programming (WebDev 10), students will begin their journey and explore computer languages to be able to create software in an online environment. Intro to Computer Programming will provide the fundamental skills and concepts needed for students to be successful in all other senior computer courses.

MEDIA DESIGN 11 (MMEDD11)

Note: This is an introductory course in digital media. Students who have taken Media Design 10 are encouraged to explore Graphic Production 11, Digital Communication 11 Video Production

Are you interested in digital imagery and graphics? Do you want to create 3D models and experiment with virtual reality? Have you ever wanted to shoot your own professional looking movies and create special effects? Then Media Design might be the right course for you! Students will have the opportunity to develop proficiency in the use of digital cameras and camcorders, while using applications such as Photoshop, Illustrator, Premier, AfterEffects and Blender to create digital designs. Students will also have the chance to publish and print their creations, ranging from t-shirt designs to 3D printed objects.

YEARBOOK 11: MEDIA DESIGN & GRAPHIC PRODUCTION (MMEDD11 YBK/MGRPR11 DSKP - YEARLONG/2 COURSE CREDITS)

Note: This is a year-long program that runs every day and is the equivalent of 2 courses: Media Design 11 and Graphic Production 11. Students who have already received these credits should consider taking Yearbook 12.

Become a part of the team that highlights what an awesome school Sullivan Heights is! Yearbook students get the opportunity to explore digital photography and publications, while documenting the important events and activities that take place all around Sullivan. Students will develop proficiency in the use of digital SLR cameras and applications such as Photoshop, Lightroom and InDesign, while producing both the yearbook and other important school documents. Successful yearbook students have a good eye for detail, are comfortable working and learning about technology and are able to work to **strict** deadlines.

ADVANCED INFO TECH COURSES

COMPUTER INFORMATION SYSTEMS 11 (MCINF11)

Pre-Requisites: Web Development 10 – Intro to Computer Programming or Permission of Instructor

Information System provides students with technical training on hardware and operating systems. This course combines theory and hands-on experience in constructing, troubleshooting and repairing computers. Other focus areas included in this course are small networks, emerging technologies and high-tech living. In addition, students will discover career paths and future educational opportunities for post-secondary studies.

COMPUTER INFORMATION SYSTEMS 12 (MCINF12)

Pre-Requisites: Web Development 10 – Intro to Computer Programming or Permission of Instructor

Information System provides students with technical training on hardware and operating systems. This course combines theory and hands-on experience in constructing, troubleshooting and repairing computers. Other focus areas included in this course are small networks, emerging technologies and high-tech living. In addition, students will discover career paths and future educational opportunities for post-secondary studies.

COMPUTER PROGRAMMING 11: SOFTWARE ENGINEERING (MCMPR11 SE)

Pre-Requisites: Web Development 10 – Intro to Computer Programming or Permission of Instructor

This is a continuation of Computer Programming. As part of Applications Programming, students will be investigating user interfaces and user experiences, tools for the planning and creation of applications, collecting and representing of data, and what career options are available in this diverse area. Students who are interested in exploring content and skills that will lead to post-secondary studies in computer science and engineering will find this course rewarding.

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COMPUTER PROGRAMMING 12: SOFTWARE ENGINEERING (MCMPR12 SE)

Pre-Requisites: Web Development 10 – Intro to Computer Programming or Permission of Instructor

This is a continuation of Computer Programming. As part of Applications Programming, students will be investigating user interfaces and user experiences, tools for the planning and creation of applications, collecting and representing of data, and what career options are available in this diverse area. Students who are interested in exploring content and skills that will lead to post-secondary studies in computer science and engineering will find this course rewarding.

COMPUTER PROGRAMMING 11: GAME DEVELOPMENT 11 (MCMPR11 GD)

Pre-Requisites: Web Development 10 – Intro to Computer Programming or Permission of Instructor

In Game Development, students will learn how to design and build games through computer programming. As students learn how to program using a variety of tools and languages, they will be able to recreate classic arcade styles such as Pong, Breakout, Pac-Man and Space Invaders.

COMPUTER PROGRAMMING 12: GAME DEVELOPMENT 12 (MCMPR12 GD)

Pre-Requisites: Web Development 10 – Intro to Computer Programming or Permission of Instructor

In Game Development, students will learn how to design and build games through computer programming. As students learn how to program using a variety of tools and languages, they will be able to recreate classic arcade styles such as Pong, Breakout, Pac-Man and Space Invaders.

DIGITAL COMMUNICATIONS 11: VIDEO PRODUCTION AND ANIMATION (MDCOM11 VID)

Pre-Requisites: Media Design 10/11 or Permission of Instructor

Do you want to create and publish your own videos and animations? Students will explore the different elements of both amateur and commercial videography. Script writing, site production, camera techniques, lighting, sound, video editing and visual effects will all form major components of this course. Students will also look at a variety of video styles, including commercials, music videos and web-based serials. Students will develop proficiencies in applications such as Premier, AfterEffects, Photoshop, Audacity and other video production related software.

DIGITAL MEDIA DEVELOPMENT 12: VIDEO PRODUCTION AND ANIMATION (MDMD-12 VID)

Pre-Requisites: Digital Communications 11 - Video Production or Permission of Instructor

Take your video production and animation skills to the next level in this comprehensive look at videography applications and techniques. In addition to developing increased proficiency in the Adobe Suite of media creation tools students will experiment with 3D animation using Blender. Students will also explore the tools of live broadcast including the control and mixing of multiple cameras feeds.

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GRAPHIC PRODUCTION 11 (MGRPR11)

Pre-Requisites: Media Design 10/11 or Permission of Instructor

Do you have a passion for digital graphics? Do you want to see your designs on websites, posters and t-shirts? Have you ever wanted to create your own digital tools, such as fonts and brushes? The Digital Design class is about taking ideas, crafting them, and producing them in both physical and virtual spaces. Students will have opportunities to create both print and web-based graphics for publications, as well as vector designs/logos for use in graphic clothing. Students will develop proficiencies in applications such as Photoshop, Illustrator and with digital photography equipment.

GRAPHIC PRODUCTION 12 (MGRPR12)

Pre-Requisites: Graphic Production 11 or Permission of Instructor

Graphic Production 12 allows you to take the knowledge you first developed in Graphic Production 11 to a new level, expanding on Photoshop, Illustrator and InDesign skills while looking at larger scale graphic publications. The production of photo books, web-comics, and other graphics oriented digital and print media will be a major focus.

YEARBOOK 12: MEDIA DESIGN & GRAPHIC PRODUCTION (MMEDD12 YBK/ MGRPR12 DSKP - YEARLONG/2 COURSE CREDITS)

Note: This is a year-long program that runs every day, and is the equivalent of 2 courses – Media Design 12 Desktop Publishing Media Design 12: Yearbook.

Pre-Requisites: None

Become a part of the team that highlights what an awesome school Sullivan Heights is! Yearbook students get the opportunity to explore digital photography and publications, while documenting the important events and activities that take place all around Sullivan. Students will develop proficiency in the use of digital SLR cameras and applications such as Photoshop, Lightroom and InDesign, while producing both the yearbook and other important school documents. Successful yearbook students have a good eye for detail, are comfortable working and learning about technology and are able to work to **strict** deadlines.

PERFORMING ARTS COURSES

CHOIR 11 (MCMCC11)

A fun way to learn more than just vocal technique. This performing group will explore a wide variety of musical styles and repertoire, and will focus on the Kodaly method of singing and music education to develop sight singing and ear training skills. Discover ways to extend your vocal range, create breath energy, formulate and place vowels correctly, and perform with confidence in a choral setting. No previous singing experience is required. Participation in music department activities is expected.

CONCERT BAND 11: BEGINNER (MIMCB11 BEG)

Beginning Band is for all students who wish to learn how to play an instrument and have not played an instrument before. Instrument choices include trumpet, clarinet, trombone, flute,

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sax and many more. Students will learn rhythm, music notation and music reading while having the opportunity to play fun music and perform in concerts and festivals.

CONCERT BAND 11: INTERMEDIATE (MIMCB 11 INT)

Prerequisite: Successful completion of Band 10 or director's permission. Students will develop increasing levels of musical proficiency through the widest possible range of repertoire, which could lead to more substantial performance opportunities. The goal of lifelong music enjoyment will be explored, along with post secondary education and careers in music.

JAZZ BAND 11 (MIMJB11)

This course continues to explore the elements of jazz introduced in Jazz Band 8/9. Students will continue to develop their instrumental and theoretical skills through the lens of standard jazz band genres, including swing, funk, latin, and rock. Soloing and improvisation will be emphasized. Students must be proficient on a standard jazz band instrument: alto, tenor, or baritone saxophone, trumpet, trombone, guitar, bass guitar, piano, or drums. This ensemble is also the orchestra for the annual school musical, so other instruments (clarinet, flute, low brass, percussion, etc) are encouraged to speak with the director to discuss different instrumentation options. As with other performance groups, participation in music department activities is expected.

COMPOSITION & PRODUCTION 11 (MMUCP11)

This is a computer generated music composition course which teaches students how to create their own music through a computer "sequencing" program. Once a composition has been successfully composed, students will transfer their work into a musical notation program and eventually score the work to be played by a group of musicians. The course also includes a written assignment which involves completing short compositions written in "the old fashioned way" by hand.

DRAMA 11 (MDRM11)

Prerequisite: None. Drama 11 is a predominantly in class course that continues to develop the teamwork, confidence building, and creativity that students have gained in previous years. However, at the Grade 11 level there is a much greater emphasis on the process of developing character, story, mood, and the ability to thoughtfully write about and reflect on a variety of performances. It will involve theatre units of study such as improvisation, mime, comedic character development, vocal exploration, creative movement exploration, monologue development, and one act plays. While there is little written homework, students are required to memorize lines and rehearse their assigned scenes outside of class time.

DIRECTING AND SCRIPT DEVELOPMENT (MDRDS11)

Prerequisite: Instructor's Permission. The techniques of directing, the role of the director and the essentials of scriptwriting will be examined in this course. Emphasis is placed on the interpretive skills and leadership required of a director and on completing at least one short

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script from a variety of theatrical genres. This course is offered concurrently with other acting courses. Students should be prepared to take a self-directed approach to learning.

FILM & TELEVISION 11 (MDFT 11)

Prerequisite: None. A hands-on film course designed to introduce students to the techniques of the film process. Topics covered include: acting on camera, early film, the golden era of film, horror movies, animation, television, advertising, and the modern day blockbuster. Emphasis will be placed on group activities and students will be expected to work as actors and production teams. Students will script, storyboard and produce film shorts. This course relies heavily on team-based projects. A positive attitude and commitment are essential for success in the course.

MUSICAL THEATRE 11 (MMUTH11)

Prerequisite: None, but previous stage experience is recommended. Musical Theatre 11 is a course that prepares students for a school wide and community Musical Theatre performance during the semester. Students will develop their acting, music and dance skills in an effort to build character, story, mood and the ability to thoughtfully write about and reflect on performances. In addition to this, students will contribute to the development of the Musical Theatre Company through stagecraft, rehearsal and performance. A positive attitude and commitment are essential for success in the course. **Please note: This is a course of limited enrolment. The department in conjunction with administration will review all course requests. Auditions may be required to join this course.**

THEATRE COMPANY 11 (MDRTC11)

Theatre Company 11 is a course that prepares students for school wide and community performances during the semester. Students will develop character, story, mood and the ability to thoughtfully write about and reflect on a variety of performances with the intention of applying these concepts to community performance. In addition to this, students will contribute to the development of Theatre Company building through stagecraft, rehearsal and performance. A positive attitude and commitment are essential for success in the course. **Please note: This is a course of limited enrolment. All course requests will be reviewed by the department in conjunction with administration.**

CHOIR 12 (MCMCC12)

A fun way to learn more than just vocal technique. This performing group will explore a wide variety of musical styles and repertoire, and will focus on the Kodaly method of singing and music education to develop sight singing and ear training skills. Discover ways to extend your vocal range, create breath energy, formulate and place vowels correctly, and perform with confidence in a choral setting. No previous singing experience is required. Participation in music department activities is expected.

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CONCERT BAND 12: BEGINNER (MIMCB12 BEG)

Beginning Band is for all students who wish to learn how to play an instrument and have not played an instrument before. Instrument choices include trumpet, clarinet, trombone, flute, sax and many more. Students will learn rhythm, music notation and music reading while having the opportunity to play fun music and perform in concerts and festivals

CONCERT BAND 12: INT (MIMCB12 INT)

Prerequisite: Successful completion of Band 11 or director's permission. Students will develop increasing levels of musical proficiency through the widest possible range of repertoire, which could lead to more substantial performance opportunities. The goal of lifelong music enjoyment will be explored, along with post secondary education and careers in music.

JAZZ BAND 12 (MIMJB12)

This course continues to explore the elements of jazz introduced in Jazz Band 8/9. Students will continue to develop their instrumental and theoretical skills through the lens of standard jazz band genres, including swing, funk, latin, and rock. Soloing and improvisation will be emphasized. Students must be proficient on a standard jazz band instrument: alto, tenor, or baritone saxophone, trumpet, trombone, guitar, bass guitar, piano, or drums. This ensemble is also the orchestra for the annual school musical, so other instruments (clarinet, flute, low brass, percussion, etc) are encouraged to speak with the director to discuss different instrumentation options. As with other performance groups, participation in music department activities is expected.

COMPOSITION & PRODUCTION 12 (MMUCP12)

This is a computer generated music composition course which teaches students how to create their own music through a computer "sequencing" program. Once a composition has been successfully composed, students will transfer their work into a musical notation program and eventually score the work to be played by a group of musicians. The course also includes a written assignment which involves completing short compositions written in "the old fashioned way" by hand.

DRAMA 12 (MDRM12)

Prerequisite: None. Drama 12 is a predominantly in class course that continues to develop the teamwork, confidence building, and creativity that students have gained in Drama 9. However, at the Grade 12 level there is a much greater emphasis on the process of developing character, story, mood, and the ability to thoughtfully write about and reflect on a variety of performances. It will involve theatre units of study such as improvisation, mime, comedic character development, vocal exploration, creative movement exploration, monologue development, and one act plays. While there is little written homework, students are required to memorize lines and rehearse their assigned scenes outside of class time.

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DIRECTING AND SCRIPT DEVELOPMENT 12 (MDRDS12)

Prerequisite: Instructor's Permission. The techniques of directing, the role of the director and the essentials of scriptwriting will be examined in this course. Emphasis is placed on the interpretive skills and leadership required of a director and on completing at least one short script from a variety of theatrical genres. This course is offered concurrently with other acting courses. Students should be prepared to take a self-directed approach to learning.

FILM & TELEVISION 12 (MDFT 12)

Prerequisite: None. A hands-on film course designed to introduce students to the techniques of the film process. Topics covered include: acting on camera, early film, the golden era of film, horror movies, animation, television, advertising, and the modern day blockbuster. Emphasis will be placed on group activities and students will be expected to work as actors and production teams. Students will script, storyboard and produce film shorts. This course relies heavily on team-based projects. A positive attitude and commitment are essential for success in the course.

MUSICAL THEATRE 12 (MMUTH12)

Prerequisite: None, but previous stage experience is recommended. Musical Theatre 12 is a course that prepares students for a school wide and community Musical Theatre performance during the semester. Students will develop their acting, music and dance skills in an effort to build character, story, mood and the ability to thoughtfully write about and reflect on performances. In addition to this, students will contribute to the development of the Musical Theatre Company through stagecraft, rehearsal and performance. A positive attitude and commitment are essential for success in the course. **Please note: This is a course of limited enrolment. All course requests will be reviewed by the department in conjunction with administration. Auditions may be required to join this course.**

THEATRE COMPANY 12 (MDRTC12)

Theatre Company 12 is a course that prepares students for school wide and community performances during the semester. Students will developing character, story, mood and the ability to thoughtfully write about and reflect on a variety of performances with the intention of applying these concepts to community performance. In addition to this, students will contribute to the development of Theatre Company building though stagecraft, rehearsal and performance. A positive attitude and commitment are essential for success in the course. **Please note: This is a course of limited enrolment. All course requests will be reviewed by the department in conjunction with administration.**

DANCE

The Dance Program will be broken into three levels:

- **General/ Beginner:** Students who do not have any dance experience or up to 4 years of recent dance experience in any genre.
- **Intermediate:** Students with four or more years of dance experience in one or more of the following genres: Ballet, Jazz, Lyrical, Contemporary or Hip Hop, either at school or at a studio.
- **Advanced:** Students with five or more years of competitive dance experience in one or more of the following genres: Ballet, Jazz, Lyrical, Contemporary or Hip Hop, either at school or at a studio and who have been recommended to the course.

DANCE CHOREOGRAPHY 11 / PEER TUTORING (MDNC 11 CHO)

This course is for student choreographers and those advanced level dancers, wishing to work towards mentoring students and creating group choreography for stage. Students will be placed with a class and will work under the direction of Ms. Law to act as peer tutors and learn to create dynamic pieces for stage, using the choreography, cleaning and planning for stage processes. Students who register for choreography should be enrolled in an advanced/elite class, be members of a senior team or speak with Ms. Law about qualifying studio experience. Students must speak with Ms. Law before registering.

DANCE TECHNIQUE AND PERFORMANCE 11: GENERAL/ BEGINNER (MDNTP 11 BEG)

This course is for students who have always wanted to learn to dance, but may have not yet had the opportunity or who have up to three years of recent recreational experience in any genre. Students will learn the basics of multiple genres including Jazz, Hip Hop and Contemporary in a fun and supportive atmosphere. This class is perfect for people of all fitness levels to learn new skills in flexibility, strength and coordination through the learning of choreography. This class would be appropriate for students who have taken dance in previous years but have not danced recently. Students will advance at individual levels and be encouraged to challenge themselves through establishing individual dance goals. Students will have multiple performance opportunities.

DANCE TECHNIQUE AND PERFORMANCE 11: INTERMEDIATE (MDNTP 11 INT)

This course is for students with four or more years of dance experience in one or more of the following genres; Ballet, Jazz, Lyrical, Contemporary or Hip Hop, either at school or at a studio. Students will have opportunities to study many genres including Hip Hop, Contemporary and Jazz. Students will increase their dance technique and vocabularies through the regular viewing and critiquing of live and recorded performances and through the creation of choreography for stage. Students will advance at individual levels and will be encouraged to challenge themselves as dancers and choreographers. There will be multiple workshop and performance opportunities.

DANCE TECHNIQUE AND PERFORMANCE 11: ADVANCED (MDNTP 11 ADV)

This course is designed to challenge the advanced dancer and facilitate explorations of the world of dance and performance. This course is appropriate for those with five or more years of competitive and/or examinable dance experience in one or more of the following genres; Ballet, Jazz, Lyrical, Contemporary or Hip Hop, either at school or at a studio and who have been recommended to the course. In this performance-based class, students will work to view, critique and create performances in multiple genres, improve technique and create choreography for stage. There will be multiple workshop and performance opportunities as well as opportunities for students to work within their chosen genre of dance. Students must be recommended or receive permission to enroll in this course. Students who have not previously taken a dance course at Sullivan should speak with Ms. Law directly prior to selecting this course.

DANCE PERFORMANCE 11: ELITE (MDNP 11 ELI)

This course is for students who coach teams or who take part in exam-based (RAD, Cecchetti, Vagonova or CDTA) extra-curricular competitive studio groups. This course will fit into the regular timetable and will run as a part of Dance Advanced but students will be expected to dance outside of class time through both semesters. In return for regular extra-curricular hour submissions, students will receive periodic spare blocks within the regular timetable. Extracurricular expectations may range from dancing on a team, doing choreography for younger students, running out-of-school classes and maintaining technical training. This class is rehearsal and performance based and students will be involved in a variety of shows and possibly competitions. Students must receive permission to enroll in this course. . Students who have not previously taken a dance course at Sullivan should speak with Ms. Law directly prior to selecting this course.

DANCE PERFORMANCE 12: CHOREOGRAPHY/ PEER TUTORING (MDNC 12 CHO)

This course is for student choreographers and those advanced level dancers, wishing to work towards mentoring students and creating group choreography for stage. Students will be placed with a class and will work under the direction of Ms. Law to act as peer tutors and learn to create dynamic pieces for stage, using the choreography, cleaning and planning for stage processes. Students who register for choreography should be either enrolled in an advanced/elite class, be members of a senior team or speak with Ms. Law about qualifying studio experience. **Students must speak with Ms. Law before registering.**

DANCE TECHNIQUE AND PERFORMANCE 12: GENERAL/ BEGINNER (MDNTP 12 BEG)

This course is for students who have always wanted to learn to dance, but may not yet had the opportunity or who have up to three years of experience in any genre. Students will learn the basics of multiple genres including Jazz, Hip Hop and Contemporary in a fun and supportive atmosphere. This class is perfect for people of all fitness levels to learn new skills in flexibility, strength and coordination through the learning of choreography. This class would be appropriate for students who have taken dance in previous years but have not danced recently. Students will advance at individual levels and be encouraged to challenge

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themselves through establishing individual dance goals. Students will have multiple performance opportunities.

DANCE TECHNIQUE AND PERFORMANCE 12: INTERMEDIATE (MDNTP12 INT)

This course is for students with four or more years of dance in experience in one or more of the following genres; Ballet, Jazz, Lyrical, Contemporary or Hip Hop, either at school or at a studio. Students will have opportunities to study many genres including Hip Hop, Contemporary and Jazz. Students will increase their dance technique and vocabularies through the regular viewing and critiquing of live and recorded performances and through the creation of choreography for stage. Students will advance at individual levels and will be encouraged to challenge themselves as dancers and choreographers. There will be multiple workshop and performance opportunities.

DANCE TECHNIQUE AND PERFORMANCE 12: ADVANCED (MDNTP12 ADV)

This course is designed to challenge the advanced dancer and facilitate explorations of the world of dance and performance. This course is appropriate for those with five or more years of competitive and/or examinable dance experience in one or more of the following genres; Ballet, Jazz, Lyrical, Contemporary or Hip Hop, either at school or at a studio and who have been recommended to the course. In this performance-based class, students will work to view, critique and create performances in multiple genres, improve technique and create choreography for stage. There will be multiple workshop and performance opportunities as well as opportunities for students to work within their chosen genre of dance. **Students must be recommended or receive permission to enroll in this course. Students who have not previously taken a dance course at Sullivan should speak with Ms. Law directly prior to selecting this course.**

DANCE TECHNIQUE AND PERFORMANCE 12: ELITE (MDNTP 12 ELI)

This course is for students who coach teams or who take part in exam-based (RAD, Cecchetti, Vagonova or CDTA) extra-curricular competitive studio groups. This course will fit into the regular timetable and will run as a part of Dance Advanced but students will be expected to dance outside of class time through both semesters. In return for regular extra-curricular hour submissions, students will receive periodic spare blocks within the regular timetable. Extracurricular expectations may range from dancing on a team, doing choreography for younger students, running out-of-school classes and maintaining technical training. This class is rehearsal and performance based and students will be involved in a variety of shows and possibly competitions. **Students must receive permission to enroll in this course. . Students who have not previously taken a dance course at Sullivan should speak with Ms. Law directly prior to selecting this course.**

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GUITAR 11: BEGINNER (MIMG 11 BEG)

This is an introductory course. Students in this course will learn many open chords and many bar chords. Students will also learn the basics of Classical guitar as well as many strumming patterns which will enable them to play several styles of music including popular, rock, folk and blues music. Students will be introduced to the playing of music from notation and tablature.

GUITAR 11: INTERMEDIATE (MIMG 11 INT)

Advanced Guitar is designed for students who look to study more advanced guitar. In advanced guitar students will learn Intermediate to advanced classical guitar pieces, Scales in 5 positions on the guitar, and advanced chording.

GUITAR 12: BEGINNER (MIMG 12 BEG)

This is an introductory course. Students in this course will learn many open chords and many bar chords. Students will also learn the basics of Classical guitar as well as many strumming patterns which will enable them to play several styles of music including popular, rock, folk and blues music. Students will be introduced to the playing of music from notation and tablature.

GUITAR 12: INTERMEDIATE (MIMG 12 INT)

Advanced Guitar is designed for students who look to study more advanced guitar. In advanced guitar students will learn Intermediate to advanced classical guitar pieces, Scales in 5 positions on the guitar, and advanced chording.

TECHNOLOGY EDUCATION COURSES

DRAFTING 11: 3D PRINTING AND DESIGN (MTDRF11)

The main objective of this course is to offer a combination of knowledge and hands-on skills that will prove valuable over a lifetime as well as opening doors to a variety of career options. The areas of focus will include 3D design and preparation for 3D printing and rapid prototyping. Students will apply the acquired skills in the design and drawing of teacher/student selected projects.

DRAFTING 12: 3D PRINTING AND DESIGN, ADVANCED DESIGN (MTDRF12 3D)

This course will utilize elements of research and development, the design process and design principles and elements to develop new solutions to products, design them using 3D drafting software and fabricate using 3D printer technology. Students will identify needs, target groups and markets to develop contemporary solutions for local circumstances. Examples may include fashion, landscaping, manufacturing, or ergonomic and human factors.

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DRAFTING 12: ADVANCED DESIGN (MTDRF12 ADV)

This course will utilize elements of research and development, the design process and design principles and elements to develop new solutions to products, architecture and other-made objects. Students will identify needs, target groups and markets to develop contemporary solutions for local circumstances. Examples may include fashion, landscaping, manufacturing, or ergonomic and human factors.

MACHINING AND WELDING 12: ADVANCED (MTMAW12 ADV)

Advanced welding will include oxy-fuel welding, soldering, brazing, shielded metal arc welding, gas metal arc welding, and gas tungsten arc welding. Gas welding will include equipment, welding rods, fluxes, equipment preparation and adjustment, joints, forehand, backhand, weld pool, brazing and braze welding, gas welding safety precautions. Oxy-acetylene cutting operations, cutting tip size, and pressures will be covered. Both shielded metal arc and gas metal arc welding equipment and accessories, welding symbols, preparation of material, safety precautions, and finishing techniques will be explored.

METALWORK 11 (MTMET 11)

The main objective of this course is to offer a combination of knowledge and hands-on skills that will prove valuable over a lifetime as well as opening doors to a variety of career options. The areas of focus will include a blending of safety, measurement, theory, tools and equipment, and materials and processes with an emphasis on the fabrication of metal-related products. Students will apply the acquired skills in the design and construction of teacher/student selected projects. Specific course objectives may include oxy-acetylene welding/ cutting/ brazing, electric arc welding, MIG and aluminum welding and plasma torch. Lathe and milling machine practices, sheet metal, casting and blacksmithing may also be included.

METALWORK 12 (MTMET12)

The main objective of this course is to offer a combination of knowledge and hands-on skills that will prove valuable over a lifetime as well as opening doors to a variety of career options. The areas of focus will include a blending of safety, measurement, theory, tools and equipment, and materials and processes with an emphasis on the fabrication of metal-related products. Students will apply the acquired skills in the design and construction of teacher/student selected projects. Specific course objectives may include oxy-acetylene welding/ cutting/ brazing, electric arc welding, MIG and aluminum welding and plasma torch. Lathe and milling machine practices, sheet metal, casting and blacksmithing may also be included.

METALWORK 12: ART METAL - JEWELLERY MAKING (MTMET12 JEWL)

This is a hands on course in which students will learn how to make sterling silver jewelry. No previous experience is needed. Students will learn the basic jewellery techniques as they build projects. As the students gain experience, they will be encouraged to design and build their own jewellery. Examples of projects include key fobs, rings, chains and small boxes.

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ROBOTICS AND ELECTRONICS 11 (MTELE11 RE)

The main objective of the electronics courses is to offer a combination of knowledge and “hands-on” skills that will prove valuable over a lifetime as well as opening doors to a wide variety of career options open to both males and females through post-secondary. The areas of focus will include a blending of safety, use and care of tools and equipment, circuit theory as it applies to DC, AC analog and digital circuits or systems. Emphasis will be placed on the application of theory to design, and assemble, test and, if necessary, trouble-shoot various teacher/student selected labs or projects.

ROBOTICS AND ELECTRONICS 12 (MTELE12 ROB)

The main objective of the electronics courses is to offer a combination of knowledge and “hands-on” skills that will prove valuable over a lifetime as well as opening doors to a wide variety of career options open to both males and females through post-secondary. The areas of focus will include a blending of safety, use and care of tools and equipment, circuit theory as it applies to DC, AC analog and digital circuits or systems. Emphasis will be placed on the application of theory to design, and assemble, test and, if necessary, trouble-shoot various teacher/student selected labs or projects.

WOODWORK 11 (MWWK11)

The main objective of this course is to offer a combination of knowledge and “hand-on” skills that will prove valuable over a lifetime as well as opening doors to a variety of career options. The areas of focus will include a blending of safety, measurement, theory, tools and equipment, and materials and processes with an emphasis on the fabrication of wood-related products. Students will apply the acquired skills in the design and construction of teacher/student selected projects.

WOODWORK 11: WOOD CARVING (MWWK11 CRV)

Prerequisite: Woodcraft 10. This is a hands on course in which students will learn the basics of carving with hand tools. Use of stationary and portable power tools is minimal. Students will learn basic design and hand carving techniques as they build projects. As the student gain experience, they will progress from relief carving to more complex carving such as intarsia. Examples of projects include masks, aboriginal art, nameplates and small, carved figures.

WOODWORK 11: WOODCRAFT (MWWK11 WC)

This is an artistic course that uses basic woodworking skills in specific hand and machine tools to explore differing avenues of woodcraft. Some areas which may be covered include: free form, relief, and Native carving, wood sculpting, wood burning, inlay, and Intarsia. Specific hand and machine tool processes will be employed to fabricate a variety of projects.

WOODWORK 12 (MWWK12)

The main objective of this course is to offer a combination of knowledge and “hand-on” skills that will prove valuable over a lifetime as well as opening doors to a variety of career options. The areas of focus will include a blending of safety, measurement, theory, tools and

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equipment, and materials and processes with an emphasis on the fabrication of wood-related products. Students will apply the acquired skills in the design and construction of teacher/student selected projects.

WOODWORK 12: WOOD CARVING 12 (MWWK12 CRV)

Prerequisite: Woodcraft 10. This is a hands on course in which students will learn the basics of carving with hand tools. Use of stationary and portable power tools is minimal. Students will learn basic design and hand carving techniques as they build projects. As the student gain experience, they will progress from relief carving to more complex carving such as intarsia. Examples of projects include masks, aboriginal art, nameplates and small, carved figures.

WOODWORK 12: WOODCRAFT 12 (MWWK12 WC)

This is an artistic course that uses basic woodworking skills in specific hand and machine tools to explore differing avenues of woodcraft. Some areas which may be covered include: free form, relief, and Native carving, wood sculpting, wood burning, inlay, and Intarsia. Specific hand and machine tool processes will be employed to fabricate a variety of projects.

WORK EXPERIENCE COURSES

WORK EXPERIENCE 12 (MWEX 2A)

Work Experience 12A - WEX12A provides students with the knowledge and skills to be successful in the world of work. The course links classroom knowledge and activities to skills and attitudes that are required in the work place. This course involves approximately 1 month of classroom work followed by 100 hours of work experience, after school, evenings and weekends. Benefits: Receive 4 Ministry authorized credits of 100 hours WEX 12A; Gain valuable experience with workplace situations and equipment; Obtain references and contacts that will assist with future job searches and scholarship applications. If you are currently working, you may be able to use your current job for work experience.

CO-OP COURSES (GRADE 11 LEVEL)

UNIVERSITY CONNECTIONS 11 (MCH11 COO, MPREC11 COO, MWEX 2A COO, MCLC-12 COO, MLFSC11 COO)

The Co-op program integrates the academic needs of students with work experience. This Co-op allows students to get ahead on their Career Education graduation requirements. Students have an opportunity to learn about and visit local post-secondary schools as well as start the application process for scholarships. Students work in one classroom with the same classmates and teacher(s) for the entire semester. This creates a positive and dynamic learning environment that increases self-confidence and self-reliance. The goal is to give the students the opportunity to explore careers and work environments that increases self-confidence and self-reliance. The goal is to give the students the opportunity to explore

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careers and work environments through volunteer work experience placements, field trips and leadership opportunities. Co-op students obtain work placements in career areas that are usually not accessible such as health care, law offices, banks, museums, sporting organizations, engineering and architectural firms. A co-op placement allows for a more authentic work placement where students will attend a job placement for three consecutive weeks. If completed successfully, students will receive 20 credits towards graduation. Students receive course credit for Chemistry 11, Pre-Calculus 11, Work Experience 12A, Career Life Connections and Life Sciences 11.

PEER TUTORING COURSES

PEER TUTORING 11 (YIPS 1A)

Provides students with the opportunity to expand on previous experiences with tutoring. This course is designed for peer tutors to gain a deeper understanding of the dynamic nature of the teaching process through the exploration of learning theories and processes. There is a practical component to the course in which students are placed in the classroom to tutor younger students. Please note: this is a course with limited enrollment. All course requests will be reviewed by the department in conjunction with administration.

PEER TUTORING 12 (YIPS 2A)

Prerequisites: Successful interview with instructor, and completion of Peer Tutoring 11. Peer Tutoring 12 provides students with the opportunity to expand on previous experiences with tutoring. This course is designed for peer tutors to gain a deeper understanding of the dynamic nature of the teaching process through the exploration of learning theories and processes. There is a practical component to the course in which students are placed in the classroom to tutor younger students. Please note: this is a course with limited enrollment. All course requests will be reviewed by the department in conjunction with administration.

DISTRICT PROGRAMS

- **The following opportunities require an application: please visit the Career Centre and speak with Ms. Rogerson or Ms. Pacheco.**
- **Deadline is March 1, 2019.**

DISTRICT TRADES APPRENTICESHIP AND SKILLS TRAINING PROGRAMS (YOUTH TRAIN IN TRADES)

The school district offers programs to students in trade and skills training. These programs are excellent opportunities for students to get a head start in their formal trades training. Seats are limited and students must undergo a successful application and interview process to secure a seat. District programs are in partnership with post-secondary institutions such

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as Kwantlen Polytechnic University (KPU), British Columbia Institute of Technology (BCIT) or Vancouver Community College (VCC). Students will complete their graduation requirement at their home school and will receive both high school and post-secondary credit while completing a district program. For many programs, the Surrey School District pays for the first year tuition; this can mean a cost savings of hundreds of dollars! Please visit the Career Centre and speak with a Career Development Facilitator to complete the application. Deadline is March 1, 2019.

ITA YOUTH WORK IN TRADES

Students registered with the Career Centre and the Industry Training Authority (ITA) can receive four credits for every 120 hours of paid work if they are working in an apprenticeable trade (up to a maximum of sixteen credits). Sullivan Heights students in the past have, for example, earned credits through working with a family member, friend or other employer in such trades as roofing, electrical and hairdressing. Students use a work booklet to record their work and progress. For every 120 hours of work, the employer will do an evaluation on the student. Students who think they might already be working in a trade should enquire with the Career Centre immediately to verify that they are and if so, receive course credit.