



2024-2025

Clearwater Secondary
Course Selection Booklet

Clearwater Secondary School

(Revised January 2023)

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School Fees

2024-2025

Please note: these fees are current as of January 2024 and are subject to change before September 2024.

1. Art 9 - 12	\$25
2. Automotive 9 - 12	\$35
3. Carpentry/Joinery 9 - 12	\$45
4. Foods 9 - 12	\$50
5. Metalwork 9 - 12	\$50
6. Music 9 - 12	\$15
7. Grade 8 Elective Mosaic <small>(for the year)</small>	\$50
8. Refundable Textbook Deposit	\$50
<small>(to be paid once, usually in Grade 8 - refundable when the student graduates)</small>	

Junior - Grade 8

GRADE 8 OVERVIEW

REQUIRED COURSES

The required courses for grade 8 are:

- Careers Education 8 (MCE-08)
- English 8 (MEN--08) & Social Studies 8 (MSS--08)
- Mathematics 8 (MMA--08)
- Physical and Health Education 8 (MPHE--08)
- Science 8 (MSC—08)

According to the [British Columbia Language Education Policy](#), students must take French in grades 5, 6, 7, and 8. While French is not a requirement for graduation, a grade 11 or 12 second language is required by some post-secondary institutions. All grade 8 students will be placed in French 8. Parents who are interested in having their student exempted from French 8 (based on the BC Language Education Policy) should contact the school counsellor.

- French 8 (MFR--08)

ELECTIVE COURSES

In addition to the courses above, grade 8 students will have two elective blocks. The courses covered in those elective blocks will be determined once staffing has been finalised and they may include several of the following:

- Drafting and Design 8
- Drama Performance 8
- Foods 8
- Guitar/Music 8
- Computer Studies 8
- Metalwork 8
- Visual Art 8
- Woodwork 8

GRADE 8 REQUIRED COURSE DESCRIPTIONS

CAREER EDUCATION 8 & 9 (MCE- 08 & MCE-09)

Career Development in Grade 8-9 builds optimism by asking students to identify and develop a sense of self, their personal interests and passions, and their skills and competencies through learning experiences in their school and their community. Career development encompasses reciprocal relationships, local and global needs and opportunities, and cultural and social awareness. It expands an awareness of options and challenges stereotypes by expanding horizons and building aspirations. Students will explore diverse perspectives and opportunities through career cluster and career path explorations. They start to make decisions and explore possibilities about next steps in their education when entering the graduation program grades 10-12.

ENGLISH 8 (MEN- 08)

This course is designed to connect students with diverse texts that develop their appreciation of language as a source of creativity, joy, and understanding of themselves and their world. First People's literature will form an important component in the development of an appreciation for influences involved in the construction of texts. Students will develop purposeful use of language through work with a variety of sentence and paragraph structures and a growing appreciation for how literary elements, techniques and devices are used to enhance and shape meaning. They will have the opportunities to practise and present their understanding through preparation and presentation of a variety of written and oral texts.

SOCIAL STUDIES 8 (MSS- 08)

Themes of social, political, and economic systems and structures, including those of at least one indigenous civilization; scientific and technological innovations; philosophical and cultural shifts; interactions and exchanges of resources, ideas, arts, and culture between and among different civilizations; exploration, expansion, and colonisation; and changes in population and living standards will be examined. This all will be examined through the time-period of the 7th Century to 1750. Students will develop their inquiry, document analysis, and oral/written communication skills. Students will be interpreting evidence, assessing continuity and change, considering perspective, understanding cause and consequence, and making ethical judgements of various events within the given time-period.

FRENCH 8 (MFR--08)

This course is our beginning French course. Students will be reading, writing, speaking, and listening to French to improve overall proficiency. The key to gaining proficiency will be students' repeated exposure to high frequency vocabulary. Active engagement and participation will be key to students' success. Students will be expected to speak French in a supportive environment, with ample visual aids, repetition, and guidance to help them feel comfortable and experience the joy of learning an additional language.

MATHEMATICS 8 (MMA--08)

This is the only Math course available to grade 8's. The topics include: perfect squares and cubes, square and cube roots, percents less than 1 and greater than 100, numerical proportional reasoning, operations with fractions, discrete linear relations, writing and evaluating expressions using substitution, two-step equations, surface area and volume, Pythagorean theorem, construction, views and nets of 3D objects, central tendency, theoretical probability, and best buys. Students will require: pencils, eraser, lined paper, graph paper, and scientific calculator. Students may not use their phone as a calculator on tests.

PHYSICAL AND HEALTH EDUCATION 8 (MPHE--08)

This course exposes students to a wide variety of physical activities that promote lifelong, healthy living. There will be an emphasis on daily participation in a variety of activities ranging from non-competitive to competitive, individual and group physical activities which will influence physical literacy, personal health, and fitness development. Lifelong participation in physical activity has many benefits and is an essential part of a healthy lifestyle. Healthy relationships, mental health, emergency responses, and substance use topics will also be covered in this course. Students will be assessed daily for participation, tactical and skill development, and effort. Evaluation takes place on a daily basis and, therefore, regular attendance and participation are mandatory.

SCIENCE 8 (MSC--08)

This course is the introduction to high school sciences. The topics covered include: life processes are performed at the cellular level, the behaviour of matter can be explained by the kinetic molecular theory and atomic theory, energy can be transferred as both a particle and a wave, and the theory of plate tectonics is the unifying theory that explains Earth's geological processes. Students will demonstrate curiosity and use the scientific method to conduct investigations. This course is comprised of a variety of laboratory experiments to instil curiosity.

GRADE 8 ELECTIVE COURSE DESCRIPTIONS

DRAFTING AND DESIGN 8

Drafting and Design 8 is an introductory course to drafting and design skills. Students will be introduced to manual drafting (pencil on paper) as well as CAD (Computer Animated Drafting). This course is a great introduction to current technology that incorporates these drafting components. Students will be introduced to various CNC equipment such as a CNC router, CNC plasma cutter, vinyl cutter, laser engraver, 3-D printing and sublimation printing. Introduction to the design process will also be a key component of the course as well. The aim of this course is for young students to become competent with the specialized equipment that CSS incorporates into its Tech Ed curriculum.

DRAMA PERFORMANCE 8

Drama Performance 8 introduces students to the forms and conventions needed to pursue acting at an advanced level in the senior secondary years. These skills are honed through character work, role play, improvisation, and scene work. Students develop their ability to express themselves through this performance art form. There is a focus on peer communication, students' own perspectives, as well as the perspectives of the various characters they play. Students should be ready to collaborate with a variety of large and small ensembles and be willing to take creative risks through exercises, games and scene work.

FOODS 8

Kitchen safety and nutrition are the foundation of this course. Students will learn cooking basics so they can get creative in the kitchen at home. The Farm to School program is part of this course. Elements of garden preparation, planting, maintenance, harvest, preservation and cooking will be taught, depending on the season the course runs in.

GUITAR/MUSIC 8

Guitar is a one-term course covering the basics of the instrument and an application of essential music fundamentals. Students will learn the basics of playing guitar at a beginning level through studying tablature, music notation, and chord symbols. The history of the guitar along with a study of its respective musical styles (genres) including classical, flamenco, blues, jazz, country, and rock will also be covered in this course. The main objective of this course is to create an enhanced appreciation for music through playing the guitar.

COMPUTER STUDIES 8

This course is designed to empower students by developing the skills they need to become independent learners. Whether you are interested in pursuing an academic or a technical career, this course will give you the foundation necessary to become a successful learner. Among other skills, students will learn sound practices in time management, collaboration, project development, communication, research, and digital media production. The successful completion of this course will give students opportunities to enrol in a wide variety of elective courses throughout their high school career. As a backdrop to practising these skills, students will choose a subject that is of interest to them.

METALWORK 8

This course is an introduction to metalwork. Students will learn how to safely use various hand tools such as hack saws, files, snips and punches, as well as, benders, breaks, and shears. Power tools such as drills, grinders and welders will also be explored. Basic design and operation of the CNC plasma cutter will also be introduced/explored.

VISUAL ART 8

This is an introductory course to the Elements of Art developed through drawing, paint, and sculpture. A focus on the seven elements, colour theory, and additive art, including pinch pot, slab and coil construction in clay. We will be learning to see what is there and not what our brains like to think is there. *Students will be able to use **creative processes** to create and respond to the arts.*

WOODWORK 8

This course is an introduction to woodwork. Design, layout, production, and finishing of basic woodworking projects will be explored. Basic operation of many user-friendly machines such as scroll saw, drill press, bandsaw, lathe, disc and drum sanders will be used. Basic design and operation of the CNC router will also be introduced/explored.

Junior - Grade 9

GRADE 9 OVERVIEW

REQUIRED COURSES

The required courses for grade 9 are:

- English 9 (MEN--09) & Social Studies 9 (MSS--09)
- Mathematics 9 (MMA--09)
- Physical and Health Education 9 (MPHE-09)
- Science 9 (MSC--09)

ELECTIVE COURSES

Students in grade 9 choose 3 elective courses.

Please be aware that while French is not a requirement for graduation, a grade 11 or 12 second language is required by some post-secondary institutions.

- Contemporary Music 9
- Drafting & Design 9
- Food Studies 9
- French 9 (MFR--09)
- Metalwork 9
- PowerTechnology 9
- Sport Performance 9
- Visual Art 9
- Woodwork 9

GRADE 9 REQUIRED COURSE DESCRIPTIONS

ENGLISH 9 (MEN--09)

The focus of English 9 will continue to connect students with diverse texts that develop their appreciation of language as a source of creativity, joy and understanding of themselves and their world. Analysis of texts will include First People's texts and an increased focus on the role of multiple perspectives in extending thinking and on synthesis of meaning in the construction of new understanding. Work with a variety of sentence and paragraph structures will involve an increased focus on use of literary elements, techniques, and devices to enhance and shape meaning. Students will have opportunities to practice and present their understanding through preparation and presentation of written and oral texts.

SOCIAL STUDIES 9 (MSS-09)

In Social Studies, it is our hope that students learn more about themselves, each other, and the world we inhabit. In this course, we hope that students develop critical thinking skills and come to know how Canada has been influenced by ideas, environment, power, and identity. Students will be successful in this course when they can demonstrate their capacity to interpret evidence, assess and defend positions, and conduct inquiry related to our course topics. Students completing Social Studies 9 will be able to tell a fuller, more inclusive story about Canada and have a sense of their own place in Canada's past, present, and future.

MATHEMATICS 9 (MMA--09)

This is the ONLY Math course available to grade 9's. The topics include: operations with rational numbers, exponents and exponent laws with whole-number exponents, operations with polynomials of degree less than or equal to 2, two-variable linear relations, using graphing, interpolation, and extrapolation, multi-step one-variable linear equations, spatial proportional reasoning, statistics- sampling techniques and misleading stats etc., financial literacy — simple budgets and transactions. Students will require: pencils, eraser, lined paper, graph paper, and scientific calculator. Students may not use their phone as a calculator on tests.

PHYSICAL AND HEALTH EDUCATION 9 (MPHE--09)

This course exposes students to a wide variety of physical activities that promote lifelong, healthy living. There will be an emphasis on daily participation in a variety of activities ranging from non-competitive to competitive, individual and group physical activities which will influence physical literacy, personal health, and fitness development. Lifelong participation in physical activity has many benefits and is an essential part of a healthy lifestyle. Healthy relationships, mental health, emergency responses and substance use topics will also be covered in this course. Students will be assessed daily for participation, tactical and skill development, and effort. Evaluation takes place on a daily basis and, therefore, regular attendance and participation are mandatory.

SCIENCE 9 (MSC--09)

This course surveys Biology, Chemistry, Physics, and Earth Science. Topics include: cells are derived from cells; the electron arrangement of atoms impacts their chemical nature; electric current is the flow of electric charge; and the biosphere, geosphere, hydrosphere, and atmosphere are interconnected, as matter cycles and energy flows through them. Students further develop laboratory skills, as well as theoretical concepts essential for success in future science courses.

GRADE 9 ELECTIVE COURSE DESCRIPTIONS

CONTEMPORARY MUSIC 9

In grade 9, students will learn to play the guitar covering the basics of the instrument and an application of essential music fundamentals. Students will learn the basics of playing guitar at a beginning level through studying tablature, music notation, and chord symbols. The history of the guitar along with a study of its respective musical styles (genres) including classical, flamenco, blues, jazz, country, and rock will also be covered in this course. The main objective of this course is to create an enhanced appreciation for music through playing the guitar.

DRAFTING AND DESIGN 9

Drafting and Design 9 is an introductory course to drafting and design skills. Students will be introduced to manual drafting (pencil on paper) as well as CAD (Computer Animated Drafting). This course is a great introduction to current technology that incorporates these drafting components. Students will be introduced to various CNC equipment such as a CNC router, CNC plasma cutter, vinyl cutter, laser engraver, 3-D printing and sublimation printing. Introduction to the design process will also be a key component of the course as well. The aim of this course is for young students to become competent with the specialized equipment that CSS incorporates into its Tech Ed curriculum.

FOODS 9

This course will continue to look at the Canada Food Guide in relation to meal planning. Students will learn about safe food practices and kitchen safety. Units will include baking, breakfast, lunch, supper, and snacks. Students will be exposed to multiple cooking methods and learn appropriate clean up routines. The Farm to School program is part of this course. Elements of garden preparation, planting, maintenance, harvest, preservation and cooking will be taught, depending on the season the course runs in.

FRENCH 9

This course is an elective Junior French course. Students will be reading, writing, speaking, and listening to French to continue improving overall proficiency. The key to gaining proficiency will be students' repeated exposure to high frequency vocabulary. Active engagement and participation will be key to students' success. Students will be expected to speak French in a supportive environment, with ample visual aids, repetition, and guidance to help them feel comfortable and experience the joy of continuing to learn an additional language.

METALWORK 9

This course builds off of Metalwork 8, where students will further their knowledge and skills in the metal shop. Students will learn how to safely use various hand tools such as hack saws, files, snips and punches, as well as, benders, breaks, and shears. Power tools such as drills, grinders and welders will also be explored. Intermediate designs and operations of the CNC plasma cutter will also be explored.

POWER TECHNOLOGY 9

This course offers a detailed study of the use and safe application of tools and equipment used in small engine and automotive repair. It explores the basic automotive systems and their care. Students will be expected to have a good shop attitude with strong emphasis on good work habits and safety. Developing good shop procedures and practice is also emphasised.

SPORT PERFORMANCE 9

The purpose of this course is to explore how the understanding of motor movements and body mechanics translate into the practical application of correct training methods leading to an increase in physical abilities and confidence. This course will offer students the skills, knowledge and attitude to incorporate various types of weight training and active health into their personal lifestyle. The course will be designed by front loading with theoretical concepts, covering important components of training, anatomy, and health, which will translate into practical applications over the course of the semester.

Note: Proper P.E. clothing includes non-marking shoes, socks, athletic shorts or sweats, and a clean T-shirt, all of which must be different from those worn in other classes. A towel and personal hygiene products are strongly recommended.

VISUAL ART 9

Art 9 will further develop the techniques and experiences introduced in Art 8. Students will explore painting, drawing, and ceramics/sculpture. Design theory and art history will enhance these techniques. Creativity, craftsmanship, and personal enjoyment remain as valuable components of the course.

WOODWORK 9

This course builds off of Woodwork 8, where students will further their knowledge and skills in the wood shop. Design, layout, production, and finishing of intermediate woodworking projects will be explored. Basic operation of many user-friendly machines such as scroll saw, drill press, bandsaw, lathe, disc and drum sanders will be used. Basic design and operation of the CNC router will also be introduced/explored.

Planning for Graduation

Required Courses

10 & Composition 10
English First Peoples Literary Studies and New Media 11
English Studies 12
Social Studies 10
One Social Studies 11 or 12
Science 10
One Science 11 or 12
One Mathematics 10
One Mathematics 11
Physical and Health Education 10
Career Life Education 10
Career Life Connections 12
One Arts Education OR Applied Design, Skills & Technologies 10, 11, 12

Elective Options

Each year students fill their timetable with the required courses for that grade and any of the following to create a timetable with a total of 8 courses:

- Additional Grade 10, 11 or 12 Ministry-Authorised Courses
- Independent Directed Studies
- Teacher Assistant
- TRU Start / Youth Work in Trades / Youth Train in Trades
- External Credits (ex. Young Drivers' course, 4-H) * see counsellor

Graduation Requirements

Students must meet the Ministry requirements for High School Graduation.

At least 16 credits must be at the Grade 12 level:

- English Studies 12 / English First Peoples 12
- Career Life Connections
- Two other Grade 12 courses
- Completion of the Capstone project

One 4 - credit course of Indigenous Peoples content

In addition, students **MUST** complete 3 graduation assessments:

- Grade 10 Literacy Assessment
- Grade 10 Numeracy Assessment
- Grade 12 Literacy Assessment

Students are permitted 3 attempts at each of these assessments while in grades 10 - 12

GRADES 10 - 12 OVERVIEW

In order to graduate you need 80 credits and each course that you pass is 4 credits unless otherwise noted. There are some courses that are required and some courses that are elective. Please use this list to plan your tentative courses for the next three years. If you know what you would like to do in post-secondary education, please research the requirements so that you can be sure to include those courses in your plan.

Mrs. Giesbrecht does an 80-credit check for each grade 12 student to ensure that they have the requirements needed to graduate.

When you make your course selections, you will only select the courses that you are hoping to take next year but this planner will help you to plan your tentative route through to graduation.

GRADE 10 COURSE SELECTIONS

1. English 10 (2, 2-credit courses)
2. Workplace Mathematics 10 OR Foundations of Mathematics and Pre-Calculus 10
3. Science 10
4. Social Studies 10
5. Physical and Health Education 10
6. Career Life Education 10
7. Grade 10 Fine Arts or ADST
8. Grade 10 elective
9. Grade 10 elective

GRADE 11 COURSE SELECTIONS

1. English First Peoples Literary Studies & Writing 11
2. Workplace Math 11 OR Foundations of Math 11 OR Pre-Calculus 11
3. Science 11 or 12
4. Social Studies 11 or 12
5. Grade 11 elective
6. Grade 11 elective
7. Grade 11 elective
8. Grade 11 elective

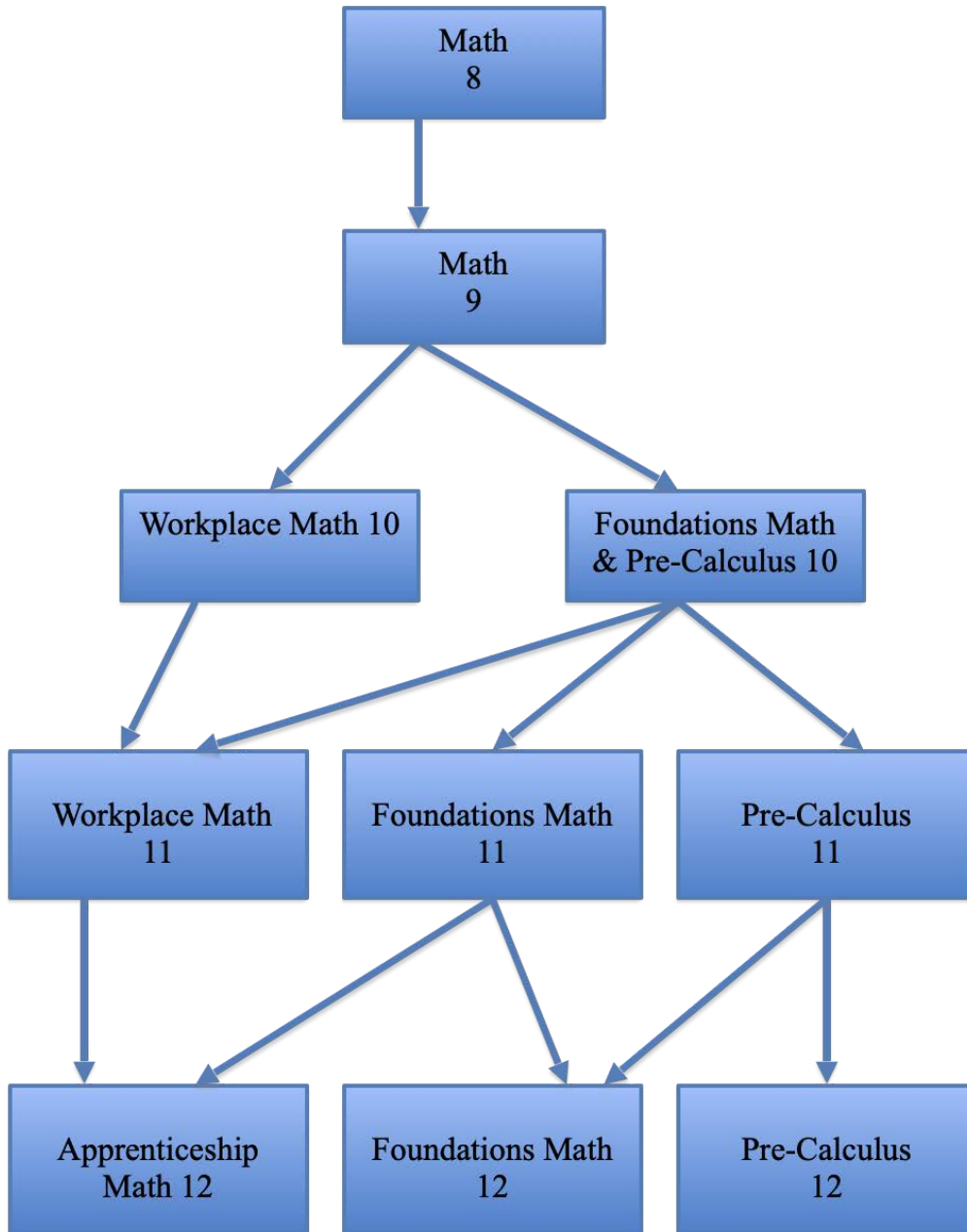
GRADE 12 COURSE SELECTIONS (note: some post secondary institutions require 4 Grade 12 electives)

1. English Studies 12
2. Career Life Education 12
3. Grade 12 elective
4. Grade 12 elective
5. Grade 11 or 12 elective
6. Grade 11 or 12 elective
7. Grade 11 or 12 elective
8. Grade 11 or 12 elective

MATHEMATICS PATHWAYS

All three pathways meet graduation requirements and provide students with opportunities to consider their interest, both current and future.

Please research admission requirements for post-secondary programs of study and career/employment paths to ensure you are selecting the best pathway for you. See Mrs. Giesbrecht for assistance in making the best choice for you.



Calculus 12 is available as an on-line class

GRADUATE PROGRAM OFFERINGS (Grade 10-12)

ENGLISH

COMPOSITION 10 (MCMP10) (2 credits)

The Composition strand of English 10 is a course that is designed to support students develop their writing skills. Students will work individually and collaboratively to create authentic and genuine personalized written pieces for a variety of audiences. Possible areas of focus in Composition 10 may include narrative, expository, descriptive, persuasive, and opinion pieces. There will be an emphasis on drafting and editing in the writing process. Students will also be expected to develop their understanding of credible sources of information and citing their sources.

LITERARY STUDIES 10 (MLTST10) (2 credits)

Literary Studies 10 allows students to delve more deeply into literature as they explore specific themes, periods, authors, or areas of the world through literary works in a variety of media. Students will increase their literacy skills through close reading of appropriately challenging texts; enhance their development of the English Language Arts curricular competencies, both expressive and receptive; expand their development as educated global citizens; develop, balance and broaden their understanding of themselves and the world; and develop higher-level thinking and learning skills. Some possible areas of focus in Literary Studies 10 include: genre-specific studies—poetry, short stories, novels, drama, graphic novels, children’s literature; Canadian literature; First Peoples texts; thematic studies and specific author studies.

ENGLISH FIRST PEOPLES LITERARY STUDIES + WRITING 11 (MEFLS11) (4 credits)

In this class students read English First Peoples literature and use writing for self-expression and communication in a variety of contexts. Students delve deeply into First Peoples oral and written literature in a range of media to explore various themes, authors, and topics. This provides a foundation for them to think critically and creatively as they continue to explore, extend, and strengthen their own writing. Within a supportive community, students work individually and collaboratively to explore oral and written literature and create powerful, purposeful compositions. Through the study of literature and the processes of experimenting with, reflecting on, extending, and refining their writing, students will: extend their capacity to communicate effectively in a variety of contexts, deepen their understanding of themselves and the world, and expand their understanding of what it means to be educated Canadian and global citizens.

ENGLISH STUDIES 12 (MENST12) (4 credits)

English First Peoples 12 is the Grade 12 English course required for graduation. It provides opportunities for all students to appreciate the richness of Aboriginal literature and cultural perspectives. This course focuses on the experiences, values, beliefs and lived realities of First Peoples as evidenced in various forms of text –including oral story, speech, poetry, dramatic work, dance, song, film and prose (both fiction and non-fiction). A key feature of this course is its focus on texts that are written by well respected, contemporary authors from British Columbia and the inclusion of guest speakers that present authentic First Peoples voices. Students will develop the English language literacy skills and capacities they must have in order to meet British Columbia graduation requirements.

CREATIVE WRITING 11 / 12 (MCTWR11/12) (4 credits) *elective only - does not fulfil graduation requirements for English 11 or 12*

Creative Writing 11/12 is designed for students who are interested in developing confidence and refining their writing skills through self-expression for various creative purposes. The course provides students with in-depth opportunities to explore personal and cultural identities, memories, and stories in a wide range of genres. Within a supportive community, students will collaborate and strengthen their skills through writing design, and editing processes. Creative Writing 11/12 is grounded in the exploration and application of writing processes, inviting students to express themselves creatively as they reflect on, adjust, and extend their writing skills. Short fiction, poetry, creative non-fiction, and memoir are examples of key topics.

MATHEMATICS

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

This pathway is specifically designed to provide students with the mathematical understanding and critical thinking skills identified for entry into the majority of trades at post-secondary institutions and for direct entry into the workforce. These students should have a definite interest in a trades career path or should be planning to directly enter the workplace. The topics include: puzzles and games for computational fluency, create/interpret/critique graphs, primary trigonometric ratios, metric and imperial measurement and conversions, surface area and volume, angles, central tendency, experimental probability, and gross/net pay.

Note: Some trades require a higher level of mathematical understanding such as taught in the Foundations/Pre-Calculus Mathematics courses. Please check with your counsellor and the trade school you are interested in attending for specific details.

FOUNDATIONS OF MATHEMATICS AND PRE-CALCULUS 10 (MFMP-10) (4 credits)

This pathway is designed to provide students with the mathematical understandings and critical thinking skills identified for post-secondary studies. This course also meets the requirements for most trades. The topics include: right triangle trigonometry, operations on powers with integral exponents, linear relations and functions, multiplying/factoring polynomials, solving systems of linear equations, experimental probability, and gross/net pay.

WORKPLACE MATH 11 (MWPM-11) (4 credits)

This pathway is specifically designed to provide students with the mathematical understanding and critical thinking skills identified for entry into the majority of trades at post-secondary and for direct entry into the work force. These students should have a definite interest in a trades career path or should be planning to directly enter the workplace. The topics include: slope, graphs, surface area and volume, trigonometry, scale, finance, and personal budgets.

Note: Some trades require a higher level of mathematical understanding as taught in the Foundations/Pre-Calculus Mathematics courses. Please check with your counsellor and the trade school you are interested in attending for specific details.

FOUNDATIONS OF MATHEMATICS 11 (MFOM-11) (4 credits)

This pathway is designed to provide students with the mathematical understandings and critical thinking skills identified for post-secondary studies in programs that do not require the study of theoretical calculus. This may include some humanities, business, and fine arts programs as well as some trades and technical programs. The topics include: logical reasoning, angles and triangles, trigonometry, statistical reasoning, systems of inequalities, quadratic functions, and proportional reasoning.

PRE-CALCULUS 11 (MPREC11) (4 credits)

Pre-Calculus 11 is primarily a program in the formal processes of mathematics, leading to the study of calculus. It is designed for students preparing for careers in engineering, mathematics, the sciences, economics, and some business programs. It is appropriate for strong mathematics students only. The topics include: sequences and series, trigonometry, quadratic functions and equations, radicals, rational equations, absolute value and reciprocal functions, systems of equations, and linear and quadratic inequalities.

APPRENTICESHIP MATH 12 (MAPPR12) (4 credits)

This pathway is specifically designed to provide students with the mathematical understanding and critical thinking skills identified for entry into the majority of trades at post-secondary and for direct entry into the work force. These students should have a definite interest in a trades career path or should be planning to directly enter the workplace. The topics include: linear relations, measurement, statistics, probability and odds, geometric figures, transformations, trigonometry, and owning a business.

CALCULUS 12 (4 credits) ONLINE, please see the counsellor

Calculus 12 is designed for those who are planning to pursue post secondary studies in sciences, mathematics, engineering, or business. Students are expected to have a thorough understanding of the concepts introduced in Pre-Calculus 11 and 12. The recommended minimum prerequisite mark is a "B" in Pre-Calculus 12.

Calculus 12 is offered online only which means students must be able to manage a self-paced, self-directed course; you are expected to work independently and make effective use of your time.

FOUNDATIONS OF MATHEMATICS 12 (MFOM-12) (4 credits)

This pathway course is designed to provide students with the mathematical understandings and critical thinking skills identified for post-secondary studies in programs that do not require the study of theoretical calculus. This may include some humanities, business, and fine arts programs as well as some trades and technical programs. The topics include: finance, set theory and logic, counting methods, probability, polynomial, exponential and logarithmic functions, and sinusoidal functions.

PRE-CALCULUS 12 (MPREC12) (4 credits)

Pre-Calculus 12 is primarily a program in the formal processes of mathematics leading to the study of calculus. It is designed for students preparing for careers in engineering, mathematics, the sciences, economics, and some business programs. It is appropriate for strong mathematics students only. The topics include: transformations, trigonometry, exponential and logarithmic functions, equations and functions, and permutations and combinations.

CAREER EDUCATION

CAREER LIFE EDUCATION (MCLEA10) (4 credits)

Career Life Education 10 asks students "Where do you want to go?" by exploring how choices are made in a recurring cycle, how decisions are influenced by internal and external factors, how to cultivate networks and reciprocal relationships, how finding balance between personal and work life promotes well-being, and how learning fosters career-life opportunities. Students examine, interact, experience and initiate career-life explorations. Career Life Education is a core requirement for graduation and provides four credits of the 8 Career Education credits required for graduation.

CAREER-LIFE CONNECTIONS (MCLC-12) (4 credits)

Career-Life Connections is divided into the themes of self-awareness, building career skills, career knowledge and awareness, and career and life planning with the aim to extend the learning into the experiential realm. Students in Career-Life Connections build on earlier learning in the four themes of career education as they complete 30 career experience hours and a capstone project. The presentation of the capstone project is a culminating experience of this program and an opportunity to show the learning journey with friends, family, community, post-secondary and career mentors. The capstone project becomes a bridge connecting the public school experience with post-secondary ambitions.

SCIENCE

SCIENCE 10 (MSC--10) (4 credits)

This course is the precursor for the senior sciences (Biology, Chemistry, Physics, and Earth Science). This is a complex course and a strong work ethic is required to complete the course material. Topics include: genes are the foundation for the diversity of living things, chemical processes require energy change as atoms are rearranged, energy is conserved and its transformation can affect living things and the environment, and the formation of the universe can be explained by the big bang theory.

CHEMISTRY 11 (MCH--12) (4 credits)

Chemistry 11 is a course that takes an in-depth look at how chemical reactions take place and how to predict reaction outcomes. Topics covered in this course include: atoms and molecules are building blocks of matter; 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; and organic chemistry. Students taking Chemistry 11 can expect a variety of laboratory activities. Strong mathematical and analytical problem-solving

skills are important for success in this course as a majority of the course work involves detailed calculations. A scientific calculator is required.

EARTH SCIENCE 11 (MESC11) (4 credits)

Earth Sciences 11 is an inquiry based science course that explores natural systems, including physical geology, atmospheric and climate science, oceanography, and their contributions to a healthy biosphere. The course also explores Astronomy, focusing on the origin of our solar system, galaxies, and the formation of stars and planets.

LIFE SCIENCE 11 (MLFSC11) (4 credits)

Life Science 11 is a prerequisite course for many university courses based in science. This course explores the big ideas: life is a result of interactions at the molecular and cellular levels; evolution occurs at the population level; and organisms are grouped based on common characteristics. This course includes the detailed study of microorganisms, plants, animals, the classification of living organisms, adaptation and evolution, and identification of anatomy from single celled organisms through to complex animals. Laboratory activities including dissections are involved. The course is demanding and requires that students work independently, stay on top of assignments and complete substantial home study.

PHYSICS 11 (MPH--11) (4 credits)

Physics 11 is a required course for students entering most fields of science including degree programs in biology, chemistry, physics, and engineering. This introductory course in Physics includes a wide variety of topic areas including kinematics (the study of motion), forces, energy, current electricity, and waves. Each unit includes hands-on demonstrations and lab work which help develop a sense of intuition for the material. It is recommended that students have achieved a minimum of a C+ in their last math class.

ANATOMY AND PHYSIOLOGY 12 (MATPH12) (4 credits) *offered alternating years*

Anatomy and Physiology 12 is a university preparatory course for students interested in pursuing careers in the sciences or health care. This course investigates how the human body works starting with biological molecules and working up to full body systems. Body systems studied include: digestive, circulatory, respiratory, nervous, urinary, and reproductive systems. This course has a lab component including organ dissections. The course is demanding and requires that students work independently, stay on top of assignments and complete substantial home study.

CHEMISTRY 12 (MCH--12) (4 credits)

This course is a continuation of Chemistry 11 but with a more theoretical approach. Topics 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, and oxidation and reduction are complementary processes that involve the gain or loss of electrons. Strong mathematical and analytical problem-solving skills are important for success in this course. A scientific calculator is required.

PHYSICS 12 (MPH--12) (4 credits)

Physics 12 is often recommended for students entering a program in science or engineering. The course includes units on circular motion and gravity, torque, relativity, momentum, electricity, and magnetism. Each unit includes hands-on demonstrations and lab work which help develop a deeper understanding of the material. It is highly recommended that students have achieved a C+ or better in Physics 11 prior to taking Physics 12.

SOCIAL STUDIES

SOCIAL STUDIES 10 (MSS--10) (4 credits)

Socials 10 will concentrate on four main Big Ideas set in the time period 1919 to the present: 1) global and regional conflicts; 2) the development of Canadian political institutions; 3) world views and how they have an impact on Canadian societal developments; and 4) historical and contemporary injustices that challenge Canada's identity as an inclusive, multicultural society. Specific topics will be in part determined by student interest. There will be writing and project components geared to students developing their communication skills.

EXPLORATIONS IN SOCIAL STUDIES 11 (MEPSS11) (4 credits)

The curriculum for Explorations in Social Studies 11 is designed to provide flexibility for teachers and students while ensuring that the rigorous provincial curriculum standards are met. Students who want to experience a bit of each of the social subjects can select this course to have some variety. Students will have some choice in this course to learn about the issues and history that interests them most. It is recommended to select this course if the individual 12 courses do not appeal to you.

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

This course is an in-depth study of the major events, trends, and ideologies of the 20th century. The world we live in today is the direct result of various historical developments. Through examining the history of the 20th century, students will gain a better understanding of where we - as humans - are in relation to where we've been historically. Students will use critical thinking and problem solving skills to analyze and synthesize historical information and connect historical events with contemporary global affairs. Students will take an in-depth look at historical themes from a global perspective and will explore the themes of identity and awareness, imperialism, world wars, the post-colonial world, conflict, and genocide.

BC FIRST PEOPLES 12 (MBCFP12) (4 credits)

BC First Nations Studies 12 has been designed for **all students**, regardless of their cultural heritage or background. This course focuses on the diversity, depth, and integrity of the cultures of British Columbia's Aboriginal peoples. The course provides an opportunity for BC students to acquire knowledge and understanding of the traditions, history, and present realities of BC Aboriginal peoples, both in the class and on participatory field trips. It provides a conceptual foundation for learners to develop an appreciation and respect for similarities/differences among the diverse cultures of the world. It also focuses on the experiences and perspectives of local First Nations people with the inclusion of guest speakers and cultural presentations by community members. It may be used toward a Gr. 12 elective.

ECONOMIC THEORY 12 (MEC--12) (4 credits)

This course provides an introduction to the principles of economics, within the context of hands-on economic scenarios. It explores labour, global and local markets, government actions, and economics of everyday life. In essence, economic theory is the study of the distribution of finite resources; how are goods and services allocated throughout our society. The study of economics provides us with the tools to understand how the world of commerce and money work.

Morality, it could be argued, represents the way that people would like the world to work, economics represents an attempt to show how it actually works.* Economics is the science of measurement. It is the study of measuring the effects of money, credit, interest rates, distribution of wealth and salaries, government policy, business, and taxation.

*paraphrased from Levitt and Dubner, 2006

GENOCIDE STUDIES 12 (MGENO12) (4 credits)

Genocide Studies will allow for a single fundamental focus on one of the most enduring challenges of humanity: genocide in the 20th and 21st centuries. Despite international commitments to prohibit genocide, violence targeted against groups of peoples or minorities has continued to challenge global peace and prosperity. Through a project-based approach and a focus on inquiry, Genocide Studies 11-12 will analyze targeted mass murder by studying the economic, political, social, and cultural conditions of genocide. By developing expertise on the topic of genocide, students will be able to draw comparisons, analyses, and take action(s) to create awareness about it. Students will have the opportunity to examine the Holocaust and the genocides in Cambodia, Rwanda, Bosnia,

Darfur, and others. Topics will be explored through film, literature, testimonial, primary sources, forensics, and inquiry-based learning. While the human capacity for evil in committing genocide will be explored, students will also have the opportunity to examine how the world has worked to overcome and deal with genocide - from war crime trials and international intervention, to memorials and museums.

SOCIAL JUSTICE 12 (MSJ--12) (4 credits)

Individual world-views shape and inform our understanding of social justice issues. The causes of social injustice are complex and have lasting impacts on society. Social justice initiatives can transform individuals and systems. Students can expect to learn: definitions, frameworks, and interpretations of social justice, self-identity and an individual's relationship to others, social injustices in Canada and the world affecting individuals, groups, and society, and the processes, methods, and approaches individuals, groups, and institutions use to promote social justice.

PHYSICAL AND HEALTH EDUCATION

PHYSICAL AND HEALTH EDUCATION 10 (MPHED10) (4 credits) REQUIRED COURSE

Students will participate in a wide variety of activities including team, individual, and lifetime sports. There are expectations of continuing development of physical abilities, student responsibility, and leadership skills. Students will also focus on various healthy and active living topics regarding mental and physical health. This course is required for graduation.

SPORT PERFORMANCE 10 (YHRA-0A) (4 credits)

The purpose of this course is to explore how the understanding of motor movements and body mechanics translate into the practical application of correct training methods leading to an increase in physical abilities and confidence. This course will offer students the skills, knowledge and attitude to incorporate various types of weight training and active health into their personal lifestyle. The course will be designed by front loading with theoretical concepts, covering important components of training, anatomy, and health, which will translate into practical applications over the course of the semester.

Note: Proper P.E. clothing includes non-marking shoes, socks, athletic shorts or sweats, and a clean T-shirt, all of which must be different from those worn in other classes. A towel and personal hygiene products are strongly recommended.

ACTIVE LIVING 11 (MACLV11) (4 credits)

This course will cover a large range of sports and activities. Emphasis will be placed on lifetime sports and fitness activities. Students in P.E. will be evaluated on movement, fitness, leadership, fair play, and participation. Evaluation takes place on a daily basis and, therefore, regular attendance and participation are mandatory.

FITNESS & CONDITIONING 11 (MFTCD11) (4 credits)

The purpose of this course is to explore how the understanding of motor movements and body mechanics translate into the practical application of correct training methods leading to an increase in physical abilities and confidence. This course will offer students the skills, knowledge and attitude to incorporate various types of weight training and active health into their personal lifestyle. The course will be designed by front loading with theoretical concepts, covering important components of training, anatomy, and health, which will translate into practical applications over the course of the semester.

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LANGUAGES

FRENCH 10 (MFR--10) (4 credits) French 10 continues to emphasise communication in French through reading, writing, speaking, and listening to French to continue improving overall proficiency. The key to gaining proficiency will be students' repeated exposure to high frequency vocabulary. Active engagement and participation will be key to students' success. Students will be expected to speak French in a supportive environment, with ample visual aids, repetition, and guidance to help them feel comfortable and experience the joy of continuing to learn an additional language.

FRENCH 11 (MFR--11) (4 credits)

French 11 continues to emphasise communication in French through reading, writing, speaking, and listening to French to continue improving overall proficiency. The key to gaining proficiency will be students' repeated exposure to high frequency vocabulary. Active engagement and participation will be key to students' success. Students will be expected to speak French in a supportive environment, with ample visual aids, repetition, and guidance to help them feel comfortable and experience the joy of continuing to learn an additional language

FRENCH 12 (MFR--12) (4 credits)

French 12 continues to emphasise communication in French through reading, writing, speaking, and listening to French to continue improving overall proficiency. The key to gaining proficiency will be students' repeated exposure to high frequency vocabulary. Active engagement and participation will be key to students' success. Students will be expected to speak French in a supportive environment, with ample visual aids, repetition, and guidance to help them feel comfortable and experience the joy of continuing to learn an additional language.

VISUAL ARTS

ART STUDIO 10 (MVA10) (4 credits) (fine art)

In Art Studio 10, students will learn the basics of the elements of visual art and the principles of design. The first part of the course will focus on the main concepts and skills needed to create 2-D images by drawing with graphite. After these skills have been practised and refined, students will begin exploring a wider variety of media and techniques, and learn how to use them appropriately and safely. Art history will be a component of this course, in addition to studying other artists' work for inspiration. Students will be asked to accept and provide critiques to their peers in a safe and positive classroom environment, in an effort to identify areas of future improvement and celebrate successes.

ART STUDIO 11 (MVA11) (4 credits) (fine art)

If you don't know how to draw, you should seriously consider taking an art class. As our communication technologies evolve, we are using more and more images to convey our ideas, so knowing how to draw will become more and more useful. The first part of the course is focused on the main concepts and skills needed to create 2-D images (a lot of drawing is involved). The second part involves the exploration of a wide variety of media and techniques used by artists and creators. If you have already some senior art courses under your belt, you can create your own program and develop or experiment with media and techniques of your choice.

ART STUDIO 12 (MVA12) (4 credits) (fine art)

In Art Studio 12, students will continue to grow in their understanding of elements of visual art and the principles of design. Depending on the students' previous experience, the first part of the course may focus largely on the main concepts and skills needed to create 2-D images by drawing with graphite. If only a brief review of these concepts is necessary, students will quickly delve into use of a more diverse selection of media and techniques. Students will continue to learn how to use a variety of media appropriately and safely. Art history will be a component of this course, in addition to studying other artists' work for inspiration. Communication of ideas through art will be a central component for students' artistic expression, with an emphasis on personal voice. Students will also be asked to accept and provide critiques to their peers in a safe and positive classroom environment, in an effort to identify areas of future improvement and celebrate successes.

TECHNOLOGY EDUCATION

ART METAL 10 (YIA--0A) (4 credits)

Art Metal 10 is a metal working course similar to Metal Fabrication/Machining 10-12, except with the focus on exploring more advanced artistic projects. Students will explore design and production in ferrous and non ferrous metals from an artistic point of view. Students will acquire skills using machines and hand tools safely and competently. Topics covered may include: welding, brazing, forging and wrought iron, lost wax and sand casting, chainmail, and etched glass.

DRAFTING (MTDRF10) (4 credits) (ADST)

Drafting and Design 10 is an introduction to many facets of drafting, including manual drafting, and computer drafting. Drafting and Design 10 will also be an in-depth introduction to the specialised equipment available at Clearwater Secondary School, including CNC plasma cutter, CNC router, laser engraver, 3D printers, vinyl cutter, and sublimation printer. Students will also be introduced to g-code.

METALWORK 10 (MTMET10) (4 credits) (ADST)

Metalwork 10 is an intermediate metal fabrication course building on the fundamentals taught in Metalwork 9. Students will be encouraged to enhance their basic bench and fabrication work including metal cutting and welding as well as improving upon CNC Plasma Cutting processes. The Design Process will be introduced, allowing students structure when designing self-driven projects. Students will be expected to have good work habits, safety and problem solving skills. Project work is the main emphasis of this course, centred around safety, design, and production.

POWER TECHNOLOGY (Mechanics) 10 (MTPOW10) (4 credits) (ADST)

This course offers a detailed study of the use and safe application of tools and equipment used in automotive repair. It explores the basic automotive systems and their care. Students will be expected to have a good shop attitude with strong emphasis on good work habits and safety. Developing good shop procedures and practice is also emphasised.

WOODWORK 10 (MWWK10) (4 credits) (ADST)

This intermediate course in woodwork is recommended for students wishing to further explore design, woodworking and other related technologies. This course is intended to familiarise the student with the basic machine and hand tool techniques, progressing to advanced power tools. Students will learn to read and produce working shop drawings, leading to the designing and building of projects involving higher-level joinery and construction techniques. A component of the course is dedicated to design in CNC production.

ART METAL 11 (YIA--1A) (4 credits)

Art Metal is a metal working course similar to Metal Fabrication/Machining 10-12, except with the focus on artistic projects. Students will explore design and production in various metals from an artistic point of view. Students will acquire skills using machines and hand tools safely and competently. Topics covered may include: welding, brazing, forging, lost wax casting, chainmail, sand casting, leatherwork and etched glass.

AUTOMOTIVE TECHNOLOGY 11 (MTAUT11) (4 credits) (ADST)

Automotive 11 is an introductory automotive mechanics course. It will have both theoretical components as well as practical, hands on components. Topics covered will include vehicle maintenance, diagnostic and troubleshooting skills as well as vehicle operation theory. The practical work in the course will depend largely on having vehicles to work on, whether the vehicles are student owned or from members of the community. Safety in Automotive 10-12 is a large focus in the class as we will be working with hoists and other mechanics specific equipment. Students will be expected to have good work habits, safety and problem solving skills.

DRAFTING 11 (MTDRF11) (4 credits) (ADST)

Drafting and Design 11 is an extension of Drafting 10 and builds on the skills learned in Drafting 10. Drafting 11 will build on the paper drafting skills and basic vector drawing while also introducing 3D drawing. Students will also be introduced to residential and mechanical drawings and how to create these styles of drawings. Students will apply these skills to be used with the various CNC equipment at Clearwater Secondary School including: CNC plasma cutter, CNC router, laser engraver, 3D printers, vinyl cutter, and sublimation printer. Setup and maintenance of these specialised pieces of equipment will also be stressed.

METALWORK 11 (MTMET11) (4 credits) (ADST)

Senior Metal courses require that each student complete a major project, as a bare minimum to pass, plus a combination of optional projects of the student's own choosing. Care and maintenance of shop equipment is also emphasised. The main thrust of the course will be at a computer. Students will design and plasma cut projects with the emphasis on practical saleable items. Students evaluation is determined by work produced, shop maintenance performed, demonstration of theoretical knowledge and especially by attitude and effort.

WOODWORK 11 (MWWK-11) (4 credits) (ADST)

Woodwork 11 is an extension of Woodwork 10. Through construction of individual and group projects, students will learn to perform a wide variety of machine and hand tool operations in a safe, orderly manner. Good design and a high standard of craftsmanship will be stressed. The basics of technical drawing is a necessary part of the course in order for students to learn how to read and produce working drawings. A component of computer design will be included in order to gain experience in CNC router and laser engraving applications such as sign making, engraving and modern wood production manufacturing techniques.

ART METAL & JEWELRY 12 (MTAMJ12) (4 credits) (ADST)

Art Metal is a metal working course similar to Metal Fabrication/Machining 10-12, except with the focus on artistic projects. Students will explore design and production in various metals from an artistic point of view. Students will acquire skills using machines and hand tools safely and competently. Topics covered may include: welding, brazing, forging, lost wax casting, chainmail, sand casting, leatherwork and etched glass.

AUTOMOTIVE TECHNOLOGY 12 (MTAUT12) (4 credits) (ADST)

Automotive 12 is an automotive mechanics course building upon the knowledge and skills developed from Power Technology 9/10 as well as Automotive Technology 11. It will have both theoretical components as well as practical, hands on components. Topics covered will include vehicle maintenance, diagnostic and troubleshooting skills as well as vehicle operation theory. The practical work in the course will depend largely on having vehicles to work on, whether the vehicles are student owned or from members of the community. Safety in Automotive 10-12 is a large focus in the class as we will be working with hoists and other mechanics specific equipment. Students will be expected to have good work habits, safety and problem solving skills.

DRAFTING 12 (MTDRF12) (4 credits) (ADST)

Drafting and Design 12 is an extension of Drafting 10/11 and is meant to build on the skills learned in Drafting 11. Drafting 12 will build on-the-paper drafting skills, basic vector drawing and 3D drawing. Students will also continue to develop skills with residential and mechanical drawings as well as skills to be used with the various CNC equipment at Clearwater Secondary School including: CNC plasma cutter, CNC router, laser engraver, 3D printers, vinyl cutter, and sublimation printer. Setup and maintenance of these specialised pieces of equipment will also be stressed.

METALWORK 12 (MTMET12) (4 credits) (ADST)

This course requires the successful completion of a required project and the demonstration of theoretical knowledge as a bare minimum to pass. Metal welding, cutting and fabrication are emphasised and practice with a torch and rod are expected. As senior students, a more sophisticated and mature outlook in the shop is required. Students about to leave school should concentrate on learning the skills they will need, or expect to use in the adult world. Note: Students are required to provide their own coveralls or shop coat.

AUTOMOTIVE TECHNOLOGY 12 (MTAUT12) (4 credits) (ADST)

Automotive 12 is an automotive mechanics course building upon the knowledge and skills developed from Power Technology 9/10 as well as Automotive Technology 11. It will have both theoretical components as well as practical, hands on components. Topics covered will include vehicle maintenance, diagnostic and troubleshooting skills as well as vehicle operation theory. The practical work in the course will depend largely on having vehicles to work on, whether the vehicles are student owned or from members of the community. Safety in Automotive 10-12 is a large focus in the class as we will be working with hoists and other mechanics specific equipment. Students will be expected to have good work habits, safety and problem solving skills.

WOODWORK 12 (MWWK-12) (4 credits) (ADST)

Woodwork 12 is an advanced power tools course in which students build on skills and techniques developed in Woodwork 10/11. Students will be expected to design and build reasonably demanding articles of furniture demonstrating advanced joinery. Students will also explore advanced wood products manufacturing techniques using the CNC router and laser engraver. Maintenance and upkeep is also a component taught in this course.

MUSIC

CONTEMPORARY MUSIC 10 (MMUCM10) (4 credits) (fine art)

Guitar covers the basics of ensemble performance. Instruction will be given on guitar, bass, percussion, and voice. Previous experience is an asset, but not required. Choice of instrument will be decided upon collaboratively, by the student, the ensemble, and the teacher. Students will learn the basics of playing in an ensemble at a beginning level through studying tablature, music notation, and chord charts. The history (1950's to present) of pop music, as it pertains to small ensembles, will be covered. A study of musical styles (genres) including blues, jazz, country, rock, and pop will also be covered. Instruction on creating original music will also be a component. The main objective of this course is to create an enhanced appreciation for music through playing in an ensemble.

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CONTEMPORARY MUSIC 12 (MMUCM12) (4 credits) (fine art)

Guitar covers the basics of ensemble performance. Instruction will be given on guitar, bass, percussion, and voice. Previous experience is an asset, but not required. Choice of instrument will be decided upon collaboratively, by the student, the ensemble, and the teacher. Students will learn the basics of playing in an ensemble at a beginning level through studying tablature, music notation, and chord charts. The history (1950's to present) of pop music, as it pertains to small ensembles, will be covered. A study of musical styles (genres) including blues, jazz, country, rock, and pop will also be covered. Instruction on creating original music will also be a component. The main objective of this course is to create an enhanced appreciation for music through playing in an ensemble.

FLYFISHING

FLY FISHING 10 (YLRA-0B) (4 credits) offered alternate years - Next offering 25/26

Fly Fishing 10 is an elective course intended to introduce students to various aspects in the sport of Fly Fishing. Students will be introduced to basic and advanced fly tying techniques as well learn various entomology basics (study of insects). Students will also have the opportunity to build their own fly tying tools, fly boxes, and fishing nets. Conservation ethics and water safety are also an important aspect of the course as students will have the chance to go fishing as a class when the weather and conditions permit. Please note that students who are the age of 16 or older will be required to have a fishing licence for the classes spent fishing.

FLY FISHING 11/12 (YLRA-2C) (4 credits) offered alternate years - Next offering 25/26

Fly Fishing 11/12 is an elective course intended to introduce students to various aspects of the sport of Fly Fishing. Students will be introduced to basic and advanced fly tying techniques as well learn entomology basics (study of insects). Students will also have the opportunity to build their own fly tying tools, fly boxes, and fishing nets. Conservation ethics and water safety are also an important aspect of the course as students will have the chance to go fishing as a class when the weather and conditions permit. Please note that students who are the age of 16 or older will be required to have a fishing licence for the classes spent fishing.

FOOD STUDIES

FOODS STUDIES 10 (MFOOD10) (4 credits) (ADST)

This course is designed to further student knowledge and skills in preparing and serving food. Course themes rotate yearly and include baking, local (BC) food, and international food. Food safety and sanitation are covered yearly. A willingness to work cooperatively in a group and an apron are required for this class. The Farm to School program is part of this course. Elements of garden preparation, planting, maintenance, harvest, preservation and cooking will be taught, depending on the season the course runs in.

FOOD STUDIES 11/ 12 (MFOOD11/12) (4 credits) (ADST)

This course is designed to further student knowledge and skills in preparing and serving food. Course themes rotate yearly and include baking, local (BC) food, and international food. Food safety and sanitation are covered yearly. A willingness to work cooperatively in a group and an apron are required for this class. The Farm to School program is part of this course. Elements of garden preparation, planting, maintenance, harvest, preservation and cooking will be taught, depending on the season the course runs in.

LEADERSHIP

LEADERSHIP 11 (YIPS1A) (4 credits)

The focus of Leadership 11 is to give students the opportunity to learn ways in which they can become successful leaders in their school and community. Students will examine their views on leadership, how they respond to the guidance of others, how people interact in groups, and how successful leaders work well with others. Students will also explore various methods and techniques for planning, implementing, and evaluating projects related to school and community activities. more emphasis on skill and quality.

LEADERSHIP 12 (YIPS2A) (4 credits)

The focus of Leadership 12 is to give students the opportunity to learn ways in which they can become successful leaders in their school and community. Students will examine their views on leadership, how they respond to the guidance of others, how people interact in groups, and how successful leaders work well with others. Students will also explore various methods and techniques for planning, implementing, and evaluating projects related to school and community activities. You do not need to have taken Leadership 11 to enrol in this class.

TEACHER ASSISTANT

TEACHER ASSISTANT 11 / 12 (YED1A / YED2A)

Students apply for the opportunity to be a Teacher Assistant (TA). Assisting as a TA is a participatory course that prepares and motivates students to provide leadership and assistance to individuals with varying academic strengths. This course will offer opportunities to enhance learning by including cycles of exploring, planning, reflecting, adapting and deciding. TAs are expected to provide exemplary leadership and role modelling. Through this, students will develop their individual and collective sense of social responsibility while learning lifelong skills such as communication, creative & critical thinking, personal and cultural identity and social responsibility.

INDEPENDENT DIRECTED STUDIES

INDEPENDENT DIRECTED STUDY 11 / 12 (MIDS1A / MIDS2A)

An IDS course provides students who have an interest or passion with the unique opportunity to pursue this subject in greater depth and receive grade 11 or 12 credits towards graduation. Courses are an extension of one or more learning outcomes already identified in an existing course. They must be rigorous and developed through a consultative process involving the student and the teachers with standards designed to maintain a high level of quality in the work undertaken. Students who take an IDS course must be motivated and able to demonstrate their ability to initiate their own learning and to work independently. In addition to these skills, an Independent Directed Studies course provides a student the opportunity to: develop and refine research skills, develop collaboration and networking skills, reach beyond conventional course boundaries, further develop critical thinking and problem-solving skills, and develop skills that prepare them for post-secondary success.

PSYCHOLOGY

PSYCHOLOGY 11 (YPSYC1A) (4 credits)

Psychology 11 is designed to ignite curiosity in students for psychology's many relevant findings about why people do the things they do and think the way they think. Psychology is the study of human behaviour and the mind. This course provides a foundation for students wanting to satisfy a growing curiosity about themselves, their families, their friends, and the world around them. Students will learn about research methods, developmental psychology, biopsychology, cognitive psychology, and social psychology. Students will be encouraged to think critically and analytically about behaviour and understand commonly held myths. They will bring the basic and applied concepts of psychology to life by applying scientific principles to real world problems.

Alternate Credit Opportunities

Please see Mr. Fraser for more information, applications and support.

Youth Train in Trades (YTIT)

Students can enter TRU trades programs during their grade 12 year and they will earn dual credits (secondary school credits and TRU credits). TRU will award a Foundation Certificate and credit is earned towards the first year technical training as an apprentice. Tuition is paid by School District 73 but students are responsible for covering ancillary fees and other costs. Applications are available in January to grade 10 and 11 students and due by the middle of February.

Available Trades Options:

Mechanical Trades Foundation Training

- Automotive Service Technician Foundation
- Heavy Mechanical Foundation
- Industrial Instrumentation & Control Technician
- Millwright (Industrial Mechanic/Machinist)
- Refrigeration & Air Conditioning Foundation
- Welding Foundation

Construction Trades Foundation Training

- Carpentry Level 1 & 2
- Electrical Foundation
- Piping Foundation

Culinary Arts Training

- Horticulture Foundation
- Professional Cooks Level 1
- Meat Cutter/Retail Meat Processing Youth Work in Trades (YWIT)

Any student currently employed with a ticketed tradesperson is eligible for the Youth Work in Trades Program (YWIT). Students may earn up to 16 credits (4 courses). The enrollment deadline is the middle of September. Students must be working in a paid position, alongside a qualified tradesperson, be at least 15 years old and enrolled in school.

Grade 12 graduates who have completed 16 credits (4 courses) may qualify for a \$1000 scholarship. The criteria for this scholarship is

- be registered with ITA as a young apprentice prior to graduation.
- must graduate with a Dogwood Diploma or Adult Grad Dogwood
- must have completed MWRK 11A, 11B, 12A and 12B within 6 months of graduation.
- must also have maintained a C+ average or better in all grade 12 courses

- reported a minimum of 900 hours to the secondary school trades coordination within six months of secondary school graduation.

TRU Start Programs – **Students must have all graduation requirements met prior to the start of the TRU Start Program.**

These programs are opportunities for students to take a full year certificate program in their grade 12 year:

- Applied Sustainable Ranching
- Early Childhood Education Diploma Program
- Health Care Assistant Program
- Police and Justice Program

School District 73 pays the tuition costs; associated fees and textbooks are the responsibility of the student.

TRU Start Courses provide an opportunity for students in our region to experience university life and earn post-secondary credits before high school graduation. TRU offers two options for students to consider during their grade 12 year – on campus or distance education. Students must apply in their grade 11 year and meet specified admission requirements. Students are responsible to pay for all costs. Grants may be available. Deadline to apply is April 14, 2023. Visit <https://www.tru.ca/future/dual-credit.html> for more information.

District Programs

Students may enrol in any number of district programs housed in schools in Kamloops.

- Digital Arts and Technology Academy (First Semester of Grade 12))
- Hairstyling (Second Semester Grade 11 & First Semester of Grade 12))
- International Baccalaureate Diploma (Two year program – grade 11 and 12)
- Power Engineering Technology Certificate (First Semester)
- NorKam Construction Sampler (One Semester)
- NorKam Mechanical Sampler (One Semester)
- NorKam Industrial Sampler (One Semester)