

LAKE CITY

Lake City Secondary School

Student Course Selection Handbook

2025 - 2026

Grades 10 to 12

Our school website is www.sd27.bc.ca/LCSSWL

FALCONS

CAREER PROGRAMS

CAREER LIFE CONNECTIONS 12 (MCLC 12)

Career Life Connections 12 (MCLCB12) 4 credits is a three-part course completed outside of the timetable; the Career Life Connections Online course, 30 hours of Work/Volunteer Experience and the Capstone Project. This course is a required course to Graduate.

Career Life Connections 11 (CLC 11) (MCLCA12) is an online Moodle course that is required by all the grade 11 students. Career Life Connections may be completed during the summer prior to the grade 11 school year and must be completed by the end of Grade 11. The CLC online course consists of personal development, career life planning, and communication skills.

The Work/Volunteer Experience Application needs to be handed to Ms. Palmer in the Career Centre by September 30th of the Grade 12 year so that the paperwork can be printed out and completed by the student. This can be done once the student has completed their Career Life Education 10 course.

CAPSTONE PROJECT: What is a Capstone? Students will use innovation, cross-curricular knowledge, and critical thinking skills in an area of interest as the basis for the project, which is applicable to a real-world concept. In short, the student chooses a passion project of their choice, finds a mentor, draws up a proposal, carries out their project, creates a portfolio (collection of the work), and completes a presentation and reflection. The student receives their project package at the start of grade 11 to allow plenty of time to complete the course. This course is completed outside of the timetable.

All three above sections of the Career Life Connections 12 course are a requirement to Graduate. Please see specific dates for each section to be submitted to the Career Centre during the beginning of your grade 12 year.

CAREER LIFE EDUCATION (MCLE-10)

Career Life Education (CLE) consists of 120 hours of course work in grade 10 covering Personal Development, Connections to the Community and Career Life Plans. Personal Development includes self-assessment in career research, life-long learning, grad requirements and personal finances. Connections to the Community includes global trends and the gig economy. Career Life Plans include relation to essential career skills, employability skills, work safety and labour and market trends, and finish with an awareness of overall life balance. (Also found in the foundation course section)

Extra Career Program Offerings

YOUTH WORK IN TRADES 11 & 12 - APPRENTICESHIP (MWRK-1A) (MWRK-2A)

This program is intended to ease the transition to the workforce, specifically into the trades. It provides excellent opportunities for students to get paid workplace-based training in a wide range of apprenticeable trades. Students earn 4 high school credits for each 120 hours worked, to a maximum of 16 credits or 480 hours. The 480 hours become part of their first-year apprenticeship once the student finishes high school. Students may work as an apprentice on weekends, holidays or during the evenings. Some apprentices are able to arrange working hours into their school schedule. Students may sign up with the Career Centre as an apprentice at any time during the school year.

Course Requirements:

15+ years of age and in grade 10, 11, or 12.

Students must be employed in an apprenticeable trade area with a supervising tradesperson.

A \$1,000 award is available to apprentices who have a C+ average in their grade 12 subjects and who have registered 900 hours with the Industry Training Authority by December 31st of the year the student turns 19. Students must complete a minimum of 480 hours of paid work by December of their grade 12 year to be eligible for a WRK Award. The Industry Training Authority website (www.itabc.ca) has a list of apprenticeable trades. There are currently over 100 in B.C.

For further information contact the Career Centre. Interested students are encouraged to speak with family and friends for employment connections. Parents who are self-employed may be able to help qualify their children through the family business.

Youth Train in Trades is an educational program for students in grades 11-12 who are looking to get a head start on their apprenticeship. Through this Dual Credit program, students will be able to gain up to 32 high school credits, post-secondary credits, and Industry Training Authority (ITA) technical trade apprenticeship training at the same time. This program is offered through a partnership with a post-secondary institutions like Thompson Rivers University. The student will attend TRU for a semester or more of their grade 12 year. This program may be taken simultaneously with the Youth Work in Trades program (WRK). Please contact the Career Centre for more information. It is recommended that students apply for this program during grade 10 and do Foundations or Pre-Calculus Mathematics 10 and 11.

DUAL CREDIT TRANSITION PROGRAMS (Health Care Assistant and Applied Sustainable Ranching) School District 27, in partnership with TRU – Williams Lake currently offers the Heath Care Assistant program and Applied Sustainable Ranching to secondary school students, operating on the same basis as the Youth Train in Trades programs. (24 – 28 credits)

JUNIOR INITIAL ATTACK PROGRAM

Students learn wildfire fighter skills, receive various training certificates and an opportunity to obtain a Jr. Fire Crew position with the BC Wildfire Service. This is a 120-hour program requiring commitment to attend each session. Only 16 students are accepted into this program. Further information is available in the Career Centre.

HEAVY METAL ROCKS

Heavy Metal Rocks is a heavy equipment career awareness program offered each spring. The program provides opportunities for students to explore a wide variety of rewarding career choices as heavy-duty equipment operators in the construction/resources industries. Students will receive certification instruction in S-100, OFA Level 1 First Aid, WHMIS and 30 hours of work experience.

RCMP YOUTH ACADEMY

This program is designed for students aged 16 to 18 years of age, in grade 11 or 12 who are interested in police work or law enforcement as a possible future career. During the academy the students will receive instruction and lectures in law, police tactics, social skills, physical training, and self-defense. The student will also be required to work in a team and partake in all activities in an RCMP Training Academy environment. They will be involved in a great deal of role-playing scenarios where they will take on the role of a police officer. The program takes place during the first week of spring break.

ELECTIVE WORK EXPERIENCE

Elective work experience courses provide opportunities for students, especially those whose learning style is better suited to hands-on activities, to further explore career areas and develop job readiness skills as well as technical skills relating to specific occupations or industries. Elective work experience also allows students to further practice the generic employability skills needed to be successful in the world of work. Students can earn up to 8 credits for elective work experience. **For further information about these programs please pick up a supplemental handout from the Career Centre.**

EMERGENCY MEDICAL RESPONDER 12

Student will learn and demonstrate all knowledge and skills needed to provide appropriate patient assessments, interventions, and on-going care, including the transportation of a patient to a healthcare facility. Course content follows the National Occupational Competency Profiles (NOCP) as defined by the Paramedic Association of Canada. Students will be engaged in dynamic training techniques including skills demonstrations, practice sessions, discussions and scenarios based on real-life situations. This is a 120-hour program requiring commitment to attend each session. **Only 16 students are accepted into this program through an application process. Further information is available from Mr. Cook.**

Grade 10

Required Credits

- Social Studies 10
- Science 10
- Physical and Health Education 10 **or** Hockey 10 **or** Aquatics 10 **or** Volleyball 10
- We offer the following English 10 combination:
EFP Literary Studies and Writing
- Mathematics 10 – Workplace Math 10 **or** Foundations & Pre-Calculus 10
- Career Life Education 10

Electives

Art Studio 10 Choir 10 Computer Studies 10 Concert Band 10 Core 10 Dakelh 10 (Carrier) Drafting 10 Drama 10 Drawing and Painting 10 Ceramics and Sculpture 10 Electronics & Robotics 10	Film & TV 10 Foods 10 French 10 Guitar 10 Leadership 10 Media Design 10 Metal Work 10 Power Technology 10 Secwepemctsin 10 (Shuswap) Skills Exploration 10 Tsilhqot'in 10 (Chilcotin) Woodwork 10 Jazz Band 10 – outside timetable Tour Band 10 – outside timetable
---	--

****FRENCH IMMERSION STUDENTS**
PLEASE CHECK OUT THE LAST PAGE OF THE BOOKLET**

Grade 11

Required Credits

- Composition 11 **or** Creative Writing 11 **or** New Media 11 **or** Spoken Language 11 **or** EFP Literary Studies & Writing 11
- Explorations in Socials 11 **or** any Social Studies 12
- Career Life Connections 11
- Science 11 – Life Sciences 11 **or** Chemistry 11 **or** Physics 11 **or** Earth Science 11 **or** Science for Citizens 11
- Foundations of Math 11 **or** Pre-Calculus 11 **or** Workplace Math 11

Electives

Active Living 11(PE 11) Aquatics 11 Art Studio 11 Automotive Technology 11 Band 11 Choir 11 Composition & Production 11 Computer Science 11 Concert Band 11 Culinary Arts 11 Dakelh 11 (Carrier) Drafting 11 Drama 11 Drawing and Painting 11 Ceramics and Sculpture 11 Film & TV 11 Fitness & Conditioning 11 Foods Studies 11	French 11 Furniture & Cabinetry 12 Graphic Production 11 Guitar 11 Hockey 11 Leadership 11 Media Design 11 Metalwork 11 Outdoor Education 11 Photography 11 Robotics 11 Secwepemctsin 11 (Shuswap) Skills Exploration 11 Tsilhqot'in 11 (Chilcotin) Volleyball 11 Woodwork 11 Jazz Band 11 – Outside timetable Tour Band 11 – Outside timetable
--	--

****FRENCH IMMERSION STUDENTS**
PLEASE CHECK OUT THE LAST PAGE OF THE BOOKLET**

Grade 12

Required Credits

- English Studies 12 **or** English First People's 12
- 3 other Grade 12 courses (**Minimum**)
- Career Life Connections
- Capstone Project

Electives

Active Living 12 (PE 12)	Foundations of Mathematics 12
Aquatics 12	French 12
Anatomy and Physiology 12	Furniture & Cabinetry 12
Art Studio 12	Genocide Studies 12
Automotive Technology 12	Graphic Production 12
BC First Peoples 12	Guitar 12
Calculus 12	Hockey 12
Ceramics and Sculpture 12	Housing and Living Environment 12
Chemistry 12	Human Geography 12
Child Development & Caregiving 12	Law Studies 12
Choir 12	Leadership 12
Composition 12	Metalwork 12
Composition & Production 12	Media Design 12
Computer Science 12	Outdoor Education 12
Concert Band 12	Philosophy 12
Creative Writing 12	Photography 12
Culinary Arts 12	Physics 12
Directing and Script Writing 12	Pre-Calculus 12
Drama 12	Psychology 12
Drafting 12	Robotics 12
Drawing and Painting 12	Skills Exploration 12
Entrepreneurship 12	Social Justice 12
Film & TV 12	Statistics 12
Fitness & Conditioning 12	20 th Century World History 12
Foods Studies 12	Volleyball 12
	Woodwork 12
	Jazz Band 12 –outside timetable
	Tour Band 12 – outside timetable

****FRENCH IMMERSION STUDENTS**
PLEASE CHECK OUT THE LAST PAGE OF THE BOOKLET**

Graduation Requirements Grades 10, 11, and 12 Graduation Requirements

These are minimum course requirements. Students must complete all required courses and complete a minimum of 80 credits. All courses are worth 4 credits. Students must take 8 courses each school year. Spares are strongly discouraged and only available to Grade 12 students in certain situations.

At least 4 credits must have an Indigenous focus.

Grade 10	Grade 11	Grade 12
Required Courses <ul style="list-style-type: none"> English 10 in the following combinations: EFP Literary Studies and Writing Socials Studies 10 Foundations and Pre-Calculus Math 10 or Workplace Math 10 Science 10 Physical & Health Education 10 or Hockey or Aquatics or Volleyball 10 Career Life Education 10 	Required Courses <ul style="list-style-type: none"> Composition 11 or Creative Writing 11 or New Media 11 or Spoken Language 11 or EFP Literary Studies & Writing 11 Career Life Connections Social Studies 11 or any Social Studies 12 Foundations of Math 11 or Pre-Calculus Math 11 or Workplace Math 11 One Science: Biology 11 or Physics 11 or Chemistry 11 or Earth Science 11 or Science for Citizens 	Required Courses <ul style="list-style-type: none"> English Studies 12 or English First Peoples 12 Work Experience Capstone Project A Minimum of Three Provincial Authorized Grade 12 Courses
Elective Courses <ul style="list-style-type: none"> Choose any 2 elective offerings 	Elective Courses <ul style="list-style-type: none"> Choose any 4 elective offerings 	Elective Courses <ul style="list-style-type: none"> Choose any 7 elective offerings
Total Grade 10 Credits Earned:	Total Grade 11 Credits Earned:	Total Grade 12 Credits Earned:
Combined Total Credits: Minimum 80		

LANGUAGE ARTS

Grade 10 *Note: The grade 10 English Language Arts courses are two credits. Students must complete both courses.*

EFP Literary Studies 10 (2 credits) (MEFLS10)

EFP Literary Studies 10 involves a thematic study of First Peoples literature focusing on the analysis of theme and use of literary devices in different forms and genres.

Recommended for students interested in pursuing English in university and those interested in reading a variety of texts written by First Peoples.

EFP Writing 10 (2 credits) (MEFWR10)

EFP Writing 10 focuses on developing academic and creative writing skills through an exploration of personal and cultural identities, memories, stories, and connections to land/place. Recommended for students interested in improving both their academic and creative writing skills.

Grade 11

Composition 11 (4 credits) (MCMPS11)

The focus of Composition 11 is to further develop academic writing skills through exposure to various styles and, with increasing independence, research and create citations towards a variety of essay and reports.

Recommended for students planning to attend college/ university or those interested in improving their overall written communication skills.

Creative Writing 11 (4 credits) (MCTWR11)

In Creative Writing 11, students will further develop and refine their writing skills within a variety of genres and with increasing independence.

Recommended for students interested in developing greater confidence in their writing skills and those looking for the opportunity to express themselves creatively and experiment with different writing styles.

New Media 11 (4 credits) (MNMD-11)

The focus of New Media 11 is to increase academic digital literacy and features tasks and texts of greater complexity designed to further study a variety of print and digital media.

Recommended for students interested in media/film studies, journalism, and/or digital communications such as writing for the web, social media, gaming, and podcasting.

Spoken Language 11 (4 credits) (MSPLG11)

In Spoken Language 11, students will have the opportunity to refine their oral communication skills through study and practice with increasing independence.

EFP Literary Studies & Writing 11 (4 credits) (MEFLS11)

The focus of EFP Literary Studies & Writing 11 is to further develop academic, professional, and creative writing skills through the study of First Peoples oral traditions, culture, and literature.

Recommended for students interested in studying First Peoples literature and improving their writing skills.

Grade 12 *Note: To graduate, all students must pass either English Studies 12 or English First Peoples 12; all other grade 12 English courses are considered academic electives.*

English Studies 12 (MENST12)

English Studies 12 is a required course for graduation, building upon and extending previous learning in ELA and EFP 10/11 courses.

English First Peoples 12 (MENFP12)

English First Peoples 12 is grounded in First Peoples Principles of Learning, building on and extending previous learning in ELA and EFP 10/11. It focuses on the experiences, values, beliefs, and lived realities of First Peoples as evidenced in various forms of text, including oral story, poetry, song, performance, film, and prose. Recommended for all students, Aboriginal and non-Aboriginal, interested in focusing on First People literature as an alternative to English Studies 12.

Composition 12 (MCMPS12)

Composition 12 is an academic elective designed to support students working towards mastery of written communication focusing research skills, utilizing parenthetical citations, and academic essays and reports.

Recommended for students planning to attend college/university.

Creative Writing 12 (MCTWR12)

Creative Writing 12 is an academic elective designed for students interested in refining their craft and their ability to write in rich, complex styles and produce publishable work.

Recommended for students with a keen interest in writing.

MATHEMATICS

The main goals of mathematics education are to prepare students to solve problems; communicate and reason mathematically; make connections between mathematics and its applications; appreciate and value mathematics; and make informed decisions as contributors to society.

The three pathways provide the necessary attitudes, knowledge, skills and understandings for specific post-secondary programs or direct entry into the work force.

Students should select their mathematics pathway carefully and clearly understand all graduation requirements and the requirements of any post-secondary program they plan to attend.

PATHWAYS (Grades 10, 11, 12)

Workplace Mathematics: This pathway is designed to prepare students for direct entry into the work force and is good for certain trades programs.

Foundations of Mathematics: This pathway is designed to prepare students for post-secondary studies in programs that do not require the study of theoretical calculus. Topics include financial literacy, geometry, logical reasoning, relations and functions, statistics and probability.

Pre-Calculus: This pathway is designed to prepare students for entry into post-secondary programs that require the study of theoretical calculus such as Mathematics, Sciences or Engineering. Topics include financial literacy, algebra, measurement, relations and functions, and trigonometry.

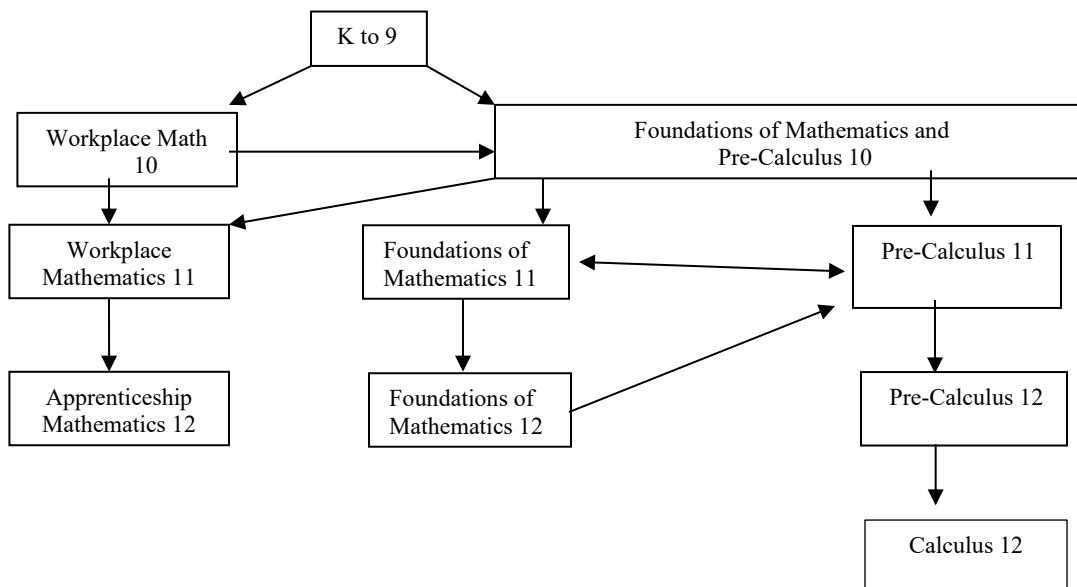
Graduation Requirements:

The graduation requirement is successful completion of one Math 10 and one Math 11.

Students planning on pursuing a Post-Secondary education should check with the Post-Secondary Institution of their choice, regarding Math requirements, for their program.

Students who are considering Post-Secondary education are encouraged to register in Foundations of Mathematics and Pre-Calculus 10. Students who plan to enter the work force or a certain trades program are encouraged to register in Workplace Mathematics 10.

MATH PATHWAY FOR GRADES 10-12



WORKPLACE MATHEMATICS 10 (MWPM-10)

This course covers the topics of graphs, trigonometry, probability, geometry, finance, puzzles and games. Students who are successful in this course will progress to Workplace Mathematics 11.

FOUNDATIONS OF MATH & PRE-CALCULUS 10 (MFMP-10)

Pre-requisite: Should have a minimum of 60% in Math 9.

This course will prepare students to follow either the Foundations pathway or the Pre-Calculus pathway in grade 11. Topics include financial literacy, arithmetic sequences, trigonometry, algebraic reasoning and number sense, functions and graphing. Students successful in this course may register in either Foundations Math 11 or Pre-Calculus 11.

WORKPLACE MATHEMATICS 11 (MWPM-11)

This course is specifically designed to provide students with the mathematical understanding and critical-thinking skills identified for entry into post-secondary vocational institutions and for direct entry into the work force. Topics include algebra, measurement, geometry, financial mathematics, and statistics.

FOUNDATIONS OF MATHEMATICS 11 (MFOM-11)

Pre-requisite: Foundations of Math and Pre-Calculus 10

This course is intended for most students and is designed to provide students with the mathematical understanding and critical-thinking skills identified for post-secondary studies in programs that do not require the study of theoretical calculus like Geography, Arts, and Humanities. Topics include financial literacy, angle, 2-D and 3-D object applications, logical reasoning, statistics, and relations and functions. Students planning on pursuing a post-secondary education should check with the Post-Secondary Institution of their choice, regarding Math requirements, for their program.

PRE-CALCULUS MATH 11 (MPREC11)

Pre-requisite: Minimum of 67% in Foundations of Math and Pre-Calculus 10

This course is designed to provide students with the mathematical understanding and critical-thinking skills identified for entry into post-secondary programs that require the study of theoretical calculus like Sciences or Engineering. Topics include financial literacy, algebra, trigonometry, and relations and functions.

FOUNDATIONS OF MATHEMATICS 12 (MFOM-12)

Pre-requisite: Foundations of Mathematics 11

This course is recommended for students who are planning on pursuing post-secondary studies and do not require Pre-Calculus 12. Topics studied include financial mathematics and decision making, logical reasoning, probability, combinatorics, geometry, relations and functions, and regression analysis.

PRE-CALCULUS 12 (MPREC12)

Pre-requisite: Minimum of 67% in Pre-Calculus 11

This course is required for students who are planning on pursuing post-secondary studies in math, engineering, business, or science. Topics covered include transformations, trigonometry, exponential and logarithmic functions, and rational functions and equations.

A final grade of 67% or higher in Pre-Calculus Mathematics 11 is strongly recommended.

CALCULUS 12 (MCALC12)

Pre-requisite: Minimum of 73% in PRE-CALCULUS 12

Calculus 12 is strongly recommended for students who will be required to take post-secondary mathematics (calculus) in the science, engineering, or mathematics fields. A final grade of B or higher in Pre-Calculus 12 is recommended. Calculus 12 is structured to facilitate a smooth transition to post-secondary mathematics. Topics include relations and functions, limits, derivatives, maximum/minimum problems, optimization problems, rate problems, integration, differentiation, and inverse functions.

STATISTICS 12 (MSTAT12)

Pre-requisite: It is recommended to have completed Foundations of Math 11 or Pre-Calculus 11.

This is a BC Ministry approved course that accounts for 4 elective credits at the grade 12 level.

In this course, you will have the opportunity to conduct different research projects and learn different ways to collect information. You will also learn how to analyze the collected data and represent it through graphs and equations. The course material gives a basic background of statistics and its applications that is important to many fields of studies in university such as science, math, psychology, etc.

PHYSICAL EDUCATION

The Physical and Health Education (PHE) curriculum aims to empower students to develop a personalized understanding of what healthy living means to them as individuals and members of society in the 21st century. The PHE curriculum focuses on well-being — the connections between physical, intellectual, mental, and social health. This approach aligns with those of jurisdictions across Canada and throughout the world to promote a deeper and more holistic understanding of overall health and well-being in students.

PHYSICAL & HEALTH EDUCATION 10 (MPHED10)

Physical and Health Education 10 is a required course for graduation that is designed to develop the knowledge, skills, and understandings that students need for lifelong physical health and mental well-being.

Students will be introduced to a variety of physical activities to increase their chances of being active throughout their lives. Students will understand that healthy choices influence, and are influenced by, our physical, emotional and mental well-being. The health component will introduce healthy choices with regards to stress management, healthy eating, sleep routines, goal setting and healthy sexual decision making.

ACTIVE LIVING 11 (MACLV11)

The focus of Active Living 11 is designed to be a meaningful and enjoyable learning experience that will prepare today's students for a healthy and active adult life. Through the selection of appropriate activities students will:

- become proficient in selected physical skills.
- be given the opportunity to experience and evaluate physical activity programs available in the community.

In order to complete the Active Living 11 requirements, the following activities may be implemented: leadership opportunities, minor cooperative games, visitations to community facilities (swimming, skating, bowling, etc.) (when funding is available), active health and fitness development, theory, major games (soccer, basketball, volleyball, rugby, badminton, etc.)

ACTIVE LIVING 12 (MACLV12)

The focus of Active Living 12 is designed to be a meaningful and enjoyable learning experience that will prepare today's students for leading and participating in a healthy and active adult life. Through the selection of appropriate activities students will:

- become proficient in selected physical skills.
- be given the opportunity to experience and evaluate physical activity programs available in the community.
- develop and demonstrate skills needed to plan, organize, and safely participate in recreational events and other preferred physical activities.

In order to complete the Active Living 12 requirements, the following activities may be implemented: leadership opportunities, minor cooperative games, visitations to community facilities (swimming, skating, bowling, etc.) (when funding is available), active health and fitness development, theory, major games (soccer, basketball, volleyball, rugby, badminton, etc.)

VOLLEYBALL 10 (MPHED10-VB) – Focus on participation, basic skills, rules and game play

VOLLEYBALL 11 (MACLV11-VB) – Focus on more advanced skills, strategies and game play

VOLLEYBALL 12 (MACLV12-VB) – Focus on leadership within gameplay, strategy and tactics, coaching and lifelong volleyball experiences.

The purpose of the Volleyball PE course is to offer another physical education option for Lake City students who either love the game of volleyball or who would like to learn the game. Skills such as passing, setting, serving, spiking as well as knowledge of the rules will be at the forefront, with an additional emphasis on team tactics and strategy. Fundamental skills such as attitudes, knowledge, leadership and teamwork in relation to the game of volleyball will help enhance the BC Physical Education and Health Curriculum. No volleyball experience is needed for this course and it is open to all grade 10-12 students.

COURSE GOALS:

- To encourage greater participation in physical education with an emphasis on volleyball
- To enhance personal skill level and confidence through practice, application of skills and game-play
- To increase student knowledge of the game of volleyball including rules, strategy and team tactics

- Understand how our strengths and weaknesses can help us plan and achieve our goals with an emphasis on the game of volleyball
- To enhance personal and social responsibility, citizenship and sportsmanship

FITNESS & CONDITIONING 11 (MFTCD11)

Fitness & Conditioning 11 will help students gain confidence in personal fitness, while making healthy choices that will help them reach their health and fitness goals. Fitness & Conditioning Training is formatted to help students test, train and monitor their fitness needs while learning new methods and techniques of exercising.

FITNESS & CONDITIONING 12 (MFTCD12)

Fitness & Conditioning 12 will help students gain confidence in the use of fitness equipment and basic training techniques. Fitness & Conditioning Training is formatted to help students test, train and monitor their fitness needs. At the conclusion of this course it is expected that students will feel comfortable, safe and confident in any fitness facility.

OUTDOOR EDUCATION 11 (MODED11)

This course is designed for students who love the outdoors. Through cooperative experiential learning, students will learn about the following while finding outdoors activities that they are passionate about.

- Participation in outdoor activities allows for the development of skills in a complex and dynamic environment.
- Spending time outdoors allows us to develop an understanding of the natural environment and ourselves.
- Participating safely in outdoor activities requires communication, teamwork, and collaboration.

Activities in this course may include: outdoor games and sports, hiking, orienteering, team-building activities, skating, downhill skiing/ snowboarding, mountain biking, fishing, x-country skiing

OUTDOOR EDUCATION 12 (MODED12)

This course is designed for students who love the outdoors. Through cooperative experiential learning, students will learn about the following while finding outdoors activities that they are passionate about.

- Participation in outdoor activities allows for the development of leadership skills that can be applied in a variety of contexts and environments.
- Participation in outdoor activities allows for the development of skills in a complex and dynamic environment.
- Spending time outdoors allows us to develop an understanding of the natural environment and ourselves.
- Participating safely in outdoor activities requires communication, teamwork, and collaboration.

Activities in this course may include: outdoor games and sports, hiking, orienteering, team-building activities, skating, downhill skiing/ snowboarding, mountain biking, fishing, x-country skiing

HOCKEY 10 (MPHED10-H) – focus on basic skills, strategies and game play

HOCKEY 11 (MACLV11-HO) – focus on more advanced skills, strategies and game play

HOCKEY 12 (MACLV12-HO) – focus on leadership, coaching and prolonged hockey experiences

Standard programs - This program requires no experience playing hockey. The program focuses on skill development, on and off ice fitness training, off ice skill development and a team building environment.

On Ice sessions: three days a week students are on the ice for skill development, on ice fitness training, team building and small area games.

Dry land: Once a week the students remain in the school to participate in a variety of games, in particular floorball (a Hockey Canada recommended floor hockey-like game that greatly promotes puck handling and control)

AQUATICS 10 (MPHED10-AQ) -Complete Lifesaving Skills (Bronze Medallion), Introduction to Lifeguarding skills (Bronze Cross), Introduction to teaching aquatics skills, improve personal fitness and swimming skills (400m swim under 12 Mins), develop basic workout plan for the gym.

AQUATICS 11 (MACLV11-AQ) – Completion of Lifeguarding skills (Bronze Cross certification), Teaching / mentoring younger students from SD27, CPR C training and certification, improve personal swimming skills (400m swim under 11Mins), and develop a multi-day workout plan for the gym.

AQUATICS 12 (MACLV12-AQ)- Mentoring peers in Aquatic skills, leading and teaching peers in lifeguarding and teaching aquatic skills, assessing and mentoring First Aid, CPR and AED skills, improving personal swimming fitness (400m under 10 Mins), and developing a diverse workout plan to include weights, nutrition, stretching, and healthy living.

The aquatics program has been developed to offer student swimmers an individualized training program. Participants will develop swimming skills fitness, training knowledge (aerobic and anaerobic), dryland training, flexibility, mental training techniques and become familiar with a variety of aquatic activities (Water activities, water polo, under water hockey, etc). Instruction will take place with pool sessions and dryland sessions both on the pool deck and in a classroom. The program will be based upon Swimming Canada's National Coaches Certification Program (N.C.C.P.P) Level 1 Theory, Technical and Practical and Royal Lifesaving Bronze Star / Medallion / Bronze Cross / NLS courses.

C.O.R.E. (YPR--0A) No Pre-Requisites.

Canadian Outdoor Recreation Education (C.O.R.E.) included the hunting training program set by BCWF (B.C. Wildlife Federation) curriculum. Topics include conservation, ethics, laws, and regulations (as they apply to B.C. hunters), survival and first aid, firearm safety, animal identification, bird identification and fishing. There may be optional topics such as trapping and wild meat cooking. Students have the opportunity to attain a B.C. hunting certificate which enables them to receive a B.C. wildlife and fishing identification card. This is a 4-credit grade 10 level course.

SCIENCES

SCIENCE 10 (MSC--10)

The Science 10 program presents the students with a wide range of science skills, knowledge, experiences, and applications while examining problems on a global level. Course topics include: Biology-Genetics & Evolution; Chemistry-Chemical Compounds & Reactions, and Radioactivity; Physics – Energy Transfers; Earth Science-Formation of the Universe.

LIFE SCIENCES 11 - formerly BIOLOGY 11 (MLFSC11)

Biology is a laboratory oriented course that covers three main themes: unity and diversity, evolution and ecological relationships. It examines the great diversity of living things and the features that unify them. It examines the evolution and adaptations of organisms, and the relationships between organisms with their environment. Scientific skills and processes are applied in studying these six units: Adaptation and Evolution, Microbiology, Plant Biology, Animal Biology, and Ecology.

CHEMISTRY 11 (MCH--11) pre-requisite Foundations of Math11 or preferably Pre-Calculus 11

Chemistry 11 builds on skills first introduced in Science 10 and Pre-Calculus 10. As such, a minimum grade of C+ is recommended in both of those courses in order for the student to be successful in this higher level science course. Chemistry 11 is an introductory chemistry course concerned with the identification, characterization and transformation of matter, and with the energy transformations that accompany these

transformations. Other topics include the mole, stoichiometry, atomic theory, solution chemistry, and organic chemistry. Laboratory skills are introduced and students are expected to write lab reports on experiments performed. A scientific calculator is required.

EARTH SCIENCE 11 (MESC-11)

This course covers five main topics: Geology: Weathering, Erosion, Geologic Time Scale; Tectonics; Volcanism and Earthquakes; Rocks and Minerals. Astronomy: Stellar systems; The Solar System; Earth and Moon. Oceanography: Ocean currents; Features of the Ocean Floor. Meteorology: Atmosphere; Pressure and Winds; Climate Change. Resources and the Environment: Renewable and Non-Renewable Resources.

PHYSICS 11 (MPH--11) pre-requisite MFOM-11 or MPREC11 (recommended)

This course covers the topics of wave motion, kinematics, dynamics, momentum, power/ efficiency and electrical circuits. The course involves the use of formulas, multi-step solutions and problem solving. Concepts will be reinforced with lab work. It is recommended that students have a solid background in mathematics (i.e. Pre-Calculus 10). A scientific calculator is required.

SCIENCE FOR CITIZENS 11 (MSCCT11)

Science for Citizens 11 prepares student for science in the workplace and focuses on real-world, practical applications of science. Students will explore the connection between science, technology, and society. This course will also examine the implications of those connections on both the individual and society at large.

The course focuses on helping students build skills around three big ideas: scientific processes and knowledge impact our daily lives and decisions; how scientific technology and knowledge is used in the workplace; and an understanding of science that enables us, as citizens, to respond and adapt to change on a local and global level.

PHYSICS 12 (MPH—12) pre-requisite Physics 11, Foundations of Math 11 or Pre-Calculus 11

This course covers the topics of relativity, motion/ circular motion, equilibrium, gravity, electrostatics, magnetism, impulse and collisions. The course involves the use of formulas, multi-step solutions and problem solving. Concepts will be reinforced with lab work. It is recommended that students have a solid background in mathematics and physics (i.e. Pre-Calculus 11 & Physics 11). A scientific calculator is required.

ANATOMY AND PHYSIOLOGY 12 - (MATPH12)

The focus of this course is on human biology. It includes a detailed examination of animal cell biology, biochemical processes and the major organ systems of the human body. Using science skills and processes, students develop an understanding of how the diverse body systems are integrated to maintain homeostasis. This course prepares students for Post-Secondary biology courses. Components of this course include lab and classroom work, and a Final Examination.

The three main units covered are: Cell Biology, Cell Processes and Application, and Human Biology.

CHEMISTRY 12 (MCH--12) pre-requisite Chemistry 11, and Foundations of Mathematics 12 or preferably Pre-calculus 12 (recommended). Note: Life Science 11 is not a pre-requisite.

A minimum grade of C+ in Chemistry 11 and Pre-Calculus 11 is recommended in order for the student to be successful in this challenging science course.

Continuing from basic concepts introduced in Chemistry 11.

Components of this course include lab and classroom work, and a Final Examination.

Chemistry 12 topics include: Reaction Kinetics, Dynamic Equilibrium, Solubility Equilibrium, Acids, Bases, Salts and Oxidation-Reduction. A scientific calculator is required.

SOCIAL STUDIES

SOCIAL STUDIES 10 (MSS--10)

Social Studies 10 is designed to strengthen students' awareness of what it means to be a Canadian citizen. Students examine the development of Canada over the course of the twentieth century. The course is focused on Canada's role in World Wars, the Great Depression, and the Cold War. Themes of First Nations culture, French-English relations and development of equality rights are also investigated throughout the course.

Students in Grade 11 or 12 can choose either Exploration in SS11, or one of the SS12 courses for their mandatory 4 credits in Social Studies.

EXPLORATIONS IN SOCIALS 11 (MEPSS11)

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. The course will vary from teacher to teacher, which of the 15 socials 12 courses they choose to focus on. Studies can include anything from First Nations to Asian Studies, to Political Studies, Physical Geography or Law. Teachers will generally choose 4 to 5 big ideas from those courses to give students an idea of the courses offered in grade 12.

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

This course in an in-depth study of the major events and trends of the twentieth century covering World War One & its conclusion, the rise of dictators, the Depression, the Second World War, the Cold War and the present-day world. Prevailing themes include the roles of the individual leaders and personalities. Emphasis is placed on why the events took place, and how they have affected our world today.

BC FIRST PEOPLES 12 (MBCFP12)

This course contains a brief overview of life in North America prior to the European arrival. Students will study the past and present culture of the Native Indians of the Cariboo-Chilcotin with the intent of promoting cross cultural understanding. Topics covered include Native Cultures of our region, traditional Arts and Crafts, and the impact of the Chilcotin Uprising. Practical field trips are an integral part of this course.

GENOCIDE STUDIES 12 (MGENO12)

Through a project based approach and a focus on inquiry, Genocide Studies 12 will analyze targeted mass murder by studying the economic, political, social and cultural conditions of genocide. Study will focus on 6 major world events: the Armenian Genocide, the Holocaust, and genocides in Cambodia, Rwanda, Bosnia, and Darfur. Course content will be delivered through novel study, film, testimonial, forensics, lecture, and discussion. This course will reveal that despite many international efforts to contain this form of mass violence, genocides remain one of the most enduring challenges of humanity.

HUMAN GEOGRAPHY 12 (MHGEO12)

This course introduces and explores the dynamic relationship among people and places and the resulting interconnectedness. The focus will be on how people interact and utilize the environment for things such as settlements, food, and cultural traditions while addressing how the environment dictates how humans both survive and thrive. Inherent within this course will be an examination of population growth and decline, culture and identity, the economics of supply and demand, city versus rural living, the role of globalization and a focus on environmental sustainability

LAW STUDIES 12 (MLST-12)

This course provides an introduction to Canadian law by examining the Canadian legal system, criminal law, and civil law. Besides learning about law from print sources, the course is enhanced by visits to court, participation in mock trials, discussion of current legal issues and other law-related activities.

PHILOSOPHY 12 (MPHIL12)

In Philosophy 12 you will learn and practice the intellectual skills required for examining the fundamental nature of knowledge, reality, and existence. You will learn to question and also justify your assumptions and beliefs about the world, and work toward meaningful and rational answers to humanity's most pressing questions.

SOCIAL JUSTICE 12 (MSJ--12)

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

ARTS EDUCATION

CERAMICS AND SCULPTURE 10 (MVAC-10)

CERAMICS AND SCULPTURE 11 (MVAC-11)

CERAMICS AND SCULPTURE 12 (MVAC-12)

Do you like to build things with your hands? Do you enjoy clay and want to make your own ceramics or jewelry for gifts? This course may be for you. The primary focus of this course is to introduce you to the three basic concepts of additive, subtractive and assemblage sculpture. One half of the semester is devoted to ceramics in which students will mold, fire, and glaze their pieces. The other half is for exploring other 3D media. You will also study the historical and cultural aspects of sculpture.

Grade 10/11 projects include: mosaic mural, clay masks, wheel throwing, clay trays/tea sets, funky mugs, clay/mixed media figures, clay houses, coil vases or bowls, metal pendants and/or earrings, wire jewelry and weaving, animal carvings from foam, basket weaving or seed bead weaving, wood carving, leather stamped belts or coasters, mixed media animals or figures, pumpkin carving, mixed media collage, and field trip nature sculpture.

Grade 12 students who have taken this course before will be encouraged to work independently to setup their own artistic problems and to explore their own creative ideas. Assignments are broad frameworks wherein students may explore their individual creative voice and identity to develop a portfolio of work.

DRAWING AND PAINTING 10 (MVAD-10)

DRAWING AND PAINTING 11 (MVAD-11)

DRAWING AND PAINTING 12 (MVAD-12)

In this 2D course you will get to experiment with the media and techniques used to create a variety of two-dimensional (2-D) artworks through the development of skills in drawing, painting, printmaking, collage, photography and/or design. You will get school time to practice, sketch, and manipulate the elements of art to improve your drawing and painting skills and better your composition from observation, research, and/or

imagination. This course incorporates hands-on activities and consumption of lots of art materials. **We will try to schedule Grade 10's into their own separate class.**

Grade 10/11 projects include: your dreams, ideas and options (sketchbook) figure drawing, character design, faces hair and hands, building cities rooms in perspective, drawing realistically in pencil crayon, drawing animals on scratchboard, painting and printmaking on T-shirts and pillows, lino cards and calendars, painting landscapes, painting watercolour poppies/flowers, digital painting and posters, painting on canvas, painting on abstract 3D forms, mural painting, working with photographs, surrealistic portraits, abstract painting, conceptual painting, illustration of myths and legends.

Grade 12 students who have taken this course before will be encouraged to work independently to setup their own artistic problems and to explore their own creative ideas. Assignments are broad frameworks wherein students may explore their individual creative voice and identity to develop a portfolio of work.

ART STUDIO 10 (MVAST10)

ART STUDIO 11 (MVAST11)

ART STUDIO 12 (MVAST12)

Not sure which art course to take? Why not try a little of everything in this foundations course. This introductory studio course is an elective that will prepare you for further high school art experiences. You will be introduced to skills and media that are used in the other art electives including: drawing, painting, ceramics, carving, computer art, the elements and principles of design, color theory, the creative process, and keeping a sketchbook journal. Each unit will take approximately one quarter of the course.

Grade 10/11 projects include: drawing your dreams, ideas and options (sketchbook), drawing buildings/cities/rooms, basic shading, text in art, cut paper relief collage, Photoshop collage, First Nations symmetry, figure/ground collage, easy acrylic and water colour bookmarks/cards one large dog, cat or horse painting, marbling with acrylic paint, animal foam carving, and pinch pot monster mugs.

Grade 12 students who have taken this course before will be encouraged to work independently to setup their own artistic problems and to explore their own creative ideas. Assignments are broad frameworks wherein students may explore their individual creative voice and identity to develop a portfolio of work.

PHOTOGRAPHY 11 (MVAPH11)

Develop your photographic vision, within this beginner to intermediate course that begins with many foundational skills to take your photographs beyond anything that you have accomplished on your cell phone. Learn about the exposure triangle, principles and elements of design, good composition and many other topics as you slowly graduate from using your cellphone camera to the greater creative possibilities inherent within dslrs. Learn about natural and studio lighting and postproduction as you become a better photographer. During the final weeks of the course students will submit a project proposal so that they may show their development of skills within a project of personal interest.

PHOTOGRAPHY 12 (MVAPH12)

Master the art of photography in this advanced course; wherein, you will be given greater freedom to explore areas of personal interest and expertise. Options will be presented throughout the course to hone your skills and specialize in the many different areas of study within photography. There will be a greater emphasis on learning alongside your peers by working collaboratively on more ambitious projects. If you or your classmates have an interest in—for example-- fashion, portrait, and/or street photography and others have an interest in studio lighting, and/or postproduction, this is your course! Once again, during the final weeks of the course groups of students will submit a project proposal so that they may show their development of skills within a collective project of mutual interest.

PERFORMING ARTS

DRAMA 10 (MDRM-10)

Drama 10 is a theatre performance course that explores a range of theatrical forms including improvisation, musical theatre (with or without live singing), dramatic scenes, and monologues. Other units may be subbed in based on student interest. While all students must perform, a greater emphasis is placed on attendance, attitude, effort, and cooperation with the goal of increasing student confidence on and off stage.

DRAMA 11 (MDRM-11)

Drama 11 is a theatre performance course that explores a range of theatrical forms including improvisation, musical theatre (with or without live singing), dramatic scenes, and monologues. Other units may be subbed in based on student interest. While all students must perform, a greater emphasis is placed on attendance, attitude, effort, and cooperation with the goal of increasing student confidence on and off stage.

DRAMA 12 (MDRM-12)

Drama 12 is a theatre performance course that explores a range of theatrical forms including improvisation, musical theatre (with or without live singing), dramatic scenes, and monologues. Other units may be subbed in based on student interest. While all students must perform, a greater emphasis is placed on attendance, attitude, effort, and cooperation with the goal of increasing student confidence on and off stage. Drama 12 students have the option of selecting a self-directed project in lieu of one of the units.

DIRECTING AND SCRIPT WRITING 12 (MDRDS12)

Lights, camera, action! Whether you're interested in learning how a film or play makes it from the page to the stage or learning how to get your screenplay out of your head, this is the course for you. You'll learn the basics of directing for both stage and film, as well as how to write scripts and screenplays, both original and adaptations. This course is open to grades 11 and 12.

MEDIA ARTS 10 (FILM AND TV) (MVAM-10)

Immerse yourself in the exciting world of Film and TV! This introductory course assumes that you have little experience and much passion before you begin to explore topics pertaining to the consumption, production and analysis of many different types of visual media. Many foundational skills will be taught before, you are immersed within the world of digital tools—primarily industry standards by Adobe-- to plan, film and edit advertisements, music videos, YouTube videos, film and many other modes of representation. During the final weeks of the course students will submit a project proposal so that they may show their development of skills within a project of personal interest.

MEDIA ARTS 11 (FILM & TV) (MVAMT11)

Level up your skills and creative vision in Film and TV 11. In this intermediate course you will begin to explore advanced tools of the trade as you graduate from Adobe Rush to utilizing Adobe Premiere and Adobe After Effects. No longer will you be expected to make video with cellphones as you explore the creative possibilities with the high-definition video possible with dslr video cameras. Our exploration of lighting and sound are further elevated throughout the course. Once again, during the final weeks of the course students will submit a project proposal so that they may show their development of skills within a project of personal interest.

MEDIA ARTS 12 (FILM & TV) (MVAMT12)

Master the art of Film and TV in this advanced course; wherein, you will be given greater freedom to explore areas of personal interest and expertise. Options will be presented throughout the course to hone your skills and specialize in the many different areas of study within Film and TV. In this course, there will also be a greater emphasis on learning alongside your peers by working collaboratively on more ambitious projects. If you have an interest in screen writing, another has an interest in cinematography and others are interested in video editing, and/or creating sound scores, and you wish authentic collaborative experience, this is your

course! Once again, during the final weeks of the course, groups of students will submit a project proposal so that they may show their development of skills within a collective project of mutual interest.

FINE ARTS-MUSIC

JAZZ BAND 10 (MMUJB10-WL)

JAZZ BAND 11 (MIMJB11-WL)

JAZZ BAND 12 (MIDS-2C-JB)

This is a course for students that have a passion for jazz, big band, rock, and funk style music. The course is open to students in grades 10 - 12, as well as advanced grade 8 students. This is a 2 credit course that is offered as an "X" block, which means that we practice 1 morning a week, (Tuesday from 7:15 – 8:30am).

This is a performance-based course with emphasis on listening, performance, travel, and teamwork.

Recommended instruments in this group include alto saxophone, tenor saxophone, baritone saxophone, trumpet, trombone, electronic or stand-up bass, guitar, piano, percussion, and drum kit.

It is important that guitar players have a basic understanding of bar chords, can identify note names on their guitar, and are interested in playing big band/swing style as well as rock, funk and Latin.

Students will learn how to listen to and play a variety of styles and will understand the concept of soloing and improvisation. Students will also experience and introduction to the set up and basic functions of a sound system. Although practice is not enforced through practice records, it is essential that all jazz band members commit to practicing a minimum of 1 hour a week outside of regular rehearsal.

Previous experience on your instrument is necessary to participate in this class.

INSTRUMENTAL MUSIC: BAND 10 (MMUCB10)

It is important that you have a basic understanding of notation and music reading skills to be successful in the course. Recommended instruments in this course include flute, oboe, clarinet, alto and bass clarinet, alto, tenor and baritone saxophone, all brass instruments, percussion and electric bass. We will be covering more advanced music of many styles like marches, program pieces, pop music and music from other cultures. Students who want to continue making music, understand sophisticated styles, and have an exciting time are welcome in this band. Performance and travel are involved, but not mandatory.

Students will have the opportunity to listen to and chose music as a group to play and perform throughout the year.

CONCERT BAND 11 (MIMCB11)

CONCERT BAND 12 (MIMCB12)

Students who want to continue making music, understand sophisticated styles, and have an exciting time are welcome in this band. Performance and travel are involved.

GUITAR 10 (MMUGT10)

This course is open to students who are beginners as well as students who have some experience playing guitar. Students will be introduced to basics of note reading, chord structure and how to read tab. Students will have the opportunity to explore basic strumming patterns and rhythmic concepts and will experience performing individually and in a small and large group setting.

GUITAR 11 (MIMG-11)

Guitar 11 is a continuation of concepts covered in Guitar 10 and students will further their understanding of theory, different chord structures and more advanced strumming patterns. Students will explore chord building in non-traditional ways. Students will still have opportunity to perform individually and in a small and large group setting. This course is open to students who are beginners as well as students who have some experience playing guitar.

GUITAR 12 (MIMG-12)

Guitar 12 is a continuation of concepts covered in Guitar 10 and Guitar 11 while encouraging students to explore how music connects them to community and their own personal values. Students will further their understanding of theory, different chord structures and more advanced strumming patterns, including transposition, picking patterns and open tunings. Students will still have opportunity to perform individually and in a small and large group setting. This course is open to students who are beginners as well as students who have some experience playing guitar.

COMPOSITION AND PRODUCTION 11 (MMUCP11)

Composition and Production is a course that offers students the ability to learn to compose and produce music; it is open to grades 10-12. Digital software is used to create music both through analogue inputs like instruments and digital inputs through the software like digital instruments and different sounds. This course is open to both experienced and beginner musicians. The course embraces all genres and encourages exploring and creating music. All skills requiring the use of technology in the course will be taught in the course so there are no technical skills required. By the end of the course students will have experience with music composition, sampling and mixing existing content, as well as fine-tuning multiple tracks within a song.

COMPOSITION AND PRODUCTION 12 (MMUCP12)

Composition and Production 12 is a continuation of the grade 11 course that offers students the ability to learn to compose and produce music; it is open to grades 10-12. C&P 12 dives deeper into the understanding of the technology of music production and the finer details of mixing final compositions. Students will start to train their ear to help distinguish what they are listening to and help produce music. This course is open to both experienced and beginner musicians. The course embraces all genres and encourages exploring and creating music. All skills requiring the use of technology in the course will be taught in the course so there are no technical skills required. By the end of the course students will have experience with mixing final musical compositions, sampling and mixing existing and self-composed content, as well as training their ear to help compose music.

TOUR BAND 10 (MMUCM10)

TOUR BAND 11 (MMUCM11)

TOUR BAND 12 (MMUCM12)

Tour Band is a concert band that meets outside the timetable – Wed. 3:30 to 5:00 pm and occasional Mondays 3:30 to 5:00 pm. Tour Band is open to all Band students in Grade 10 to 12 who are enrolled in the concert band at their grade level (Grade 10 Band, Grade 11/12 Band). Travel is a component of the group, but is **NOT** required. This is an opportunity that allows the older students to mentor the younger students. We play concert marches, lyrical pieces, pop/musical movie pieces as well. Students will be challenged, while playing concert band standards, while having fun playing non-traditional pieces. If you are interested in registering for this course, please see Ms. Eilers or one of our counsellors.

CHOIR 10 (MMUCC10)**CHOIR 11 (MCMCC11)****CHOIR 12 (MCMCC12)**

This class is geared to anyone who loves to sing. No experience is necessary, but reading music is a plus. We will be singing a variety of different styles of music from pop tunes, to classical music to fun novelty music.

We will also need a piano accompanist to be a part of this class to play the piano parts and accompany the choir. Please see Ms. Eilers if this is something you are interested in. It is recommended you have at least RCM grade 6 piano to be able to play the music.

Concerts are a part of this course, and they fall outside the timetable.

APPLIED DESIGN, SKILLS, AND TECHNOLOGIES
BUSINESS AND COMPUTER COURSES

ENTREPRENEURSHIP 12 (MENT-12)

Marketing is everywhere, from the pop ups you see in Snap Chat and Instagram, to the logos on your clothes and billboards down the highway. This course focuses on learning the basics of marketing concepts and applying those skills to our school coffee shop with an emphasis on a semester long entrepreneurial project. We will be examining the multi-billion dollar advertising industry and researching current trends in marketing strategies. Students will recognize entrepreneurial opportunities and types of business ventures and social entrepreneurship. Opportunities to expand interpersonal and presentation skills to promote products and/or services and to interact with clients will also be explored in this project based course.

COMPUTER STUDIES 10 (MCSTU10)

This course is designed to help you become a tech savvy digital citizen! You will explore the ins and outs of computers, from their rapid evolution to how to build and troubleshoot your own machine. You will also get an introduction to programming, and will design your own website using HTML and CSS. This course covers the ever changing life of your PC and how you interact with it.

COMPUTER SCIENCE 11 (MMACS11) 4 credits

Do you want to build a video game or app? Learn the fundamental skills of programming and delve into coding languages in this project-based course. Learn by creating and designing small software applications and games to run on any PC. Investigate emerging fields of technology in areas such as AI and quantum computing. You will also learn effective problem-solving skills and the ability to think logically. This course will prepare you for Computer Programming 12 and/or provide a base for post- secondary vocational computer programming courses.

COMPUTER SCIENCE 12 (MMACS12)

This course is for Grade 12 students interested in building on the foundations established in Computer Programming 11. You will go deeper into how computing and technology can impact the world, with a unique focus on creative problem solving and real-world applications. This course will provide a base for post-secondary vocational computer programming courses.

MEDIA DESIGN 10 (MMEDD10)

Unleash your creativity in Media Design! This introductory course invites you to explore digital drawing, simple animations, and photomanipulation while building essential computer skills. You'll get hands-on experience with industry-standard tools like Photoshop and Illustrator. Projects encourage personal expression and imaginative problem-solving. This course is ideal for students curious about the worlds of animation, game design, graphic arts, and digital media production.

MEDIA DESIGN 11 (MMEDD11)

Level up your creativity in Media Design! In this intermediate course, you'll deepen your skills in digital drawing, animation, photomanipulation, and 3D modeling. Using industry-standard tools like Photoshop, Illustrator, and After Effects, you'll work on more complex projects that challenge your artistic and technical abilities. This course prepares students for advanced creative pursuits and is perfect for those interested in careers in film, game design, marketing, and graphic arts.

MEDIA DESIGN 12 (MMEDD12)

Master the art of Media Design in this advanced course! You'll refine your skills in digital drawing, animation, photomanipulation, and 3D modeling using industry-standard programs like Photoshop, Illustrator, and After Effects. Students will have the opportunity to develop a professional design portfolio, explore personal creative projects, and prepare for post-secondary education or employment in fields like film, game design, marketing, and graphic arts. This course is ideal for students seeking advanced creative challenges and career-oriented design experience.

GRAPHIC PRODUCTION 11 (MGRPR11)

Discover the dynamic world of Graphic Design! In this course, you'll learn to use Adobe Illustrator to create eye-catching logos, posters, and graphics. Bring your designs to life as stickers, stencils, and apparel you can hold in your hands. Personal creativity and experimentation are at the heart of every project. Students will explore real-world applications of graphic design in industries like fashion, marketing, and media. This course is perfect for students looking to develop creative skills or explore potential career paths in graphic design.

GRAPHIC PRODUCTION 12 (MGRPR12)

Take your Graphic Production skills to the next level! This advanced course builds on your knowledge of Adobe Illustrator to create professional-grade logos, posters, and custom graphics. You'll learn how to transform your digital designs into physical products like stickers, stencils, and apparel. Students are encouraged to develop a graphic design portfolio that can be used for postsecondary applications or to generate passive income online. With a focus on real-world industry practices, this course is ideal for students interested in pursuing careers or self-employment in graphic arts, fashion, and marketing.

HOUSING & LIVING ENVIRONMENTS 12 (MHALE12)

This exciting new course will have both theoretical and hands-on components. We will examine theories about societal trends and influences on housing needs, laws and regulations pertaining to housing, as well as financial considerations in choosing where to live. The hands-on component will include learning about and applying building, architectural, and interior design methods to your own personal design interests. This is an excellent course for those considering careers involving engineering, architecture, city planning, social work, interior design, law, construction, and more! This Grade 12 course is also open to Grade 11 students who are interested in this topic.

LEADERSHIP

In Leadership class, students are given the opportunity to develop important life skills such as: effective communication, organization, teamwork/building, public speaking, interpersonal relations (respect and empathy) and conflict resolution. Students will be working with local elementary schools as big buddies. Students will be responsible for planning and organizing all events held within the school from theme days to dances and open mic to name a few. You must be willing to step outside your comfort zone, show up, and lead by example. ***Attendance and participation are mandatory, and some work will be required outside of the regular timetable.***

Students wanting these courses will need to complete an application.

LEADERSHIP 11 (YIPS-1C) : In this class for their large project students will be required to develop a lesson complete with lesson plan and teach the class. The lesson will focus on one of the many life skills they have learned about.

LEADERSHIP 12 (YIPS-2B) The large project for this class will be organizing an event that will either benefit the whole school or the community.

HOME ECONOMICS

FOOD STUDIES 10 (MFOOD10)

This is an introductory cooking and baking course. No prior experience necessary! In this course, students will prepare tasty breakfast, lunch, and dinner dishes while learning about nutrition, meal planning, budgeting, marketing, and more. Students will also learn kitchen safety and sanitation while sharpening their knife skills. A great course to start your Foods learning journey!

FOOD STUDIES 11 (MFOOD11)

This senior course will introduce students to a world of new foods! Students will prepare unique foods from around the world while learning about the spices and ingredients that go into those dishes. Students will also gain an advanced knowledge of nutrition, food safety, menu planning, indigenous foods, and world health and food issues.

FOOD STUDIES 12 (MFOOD12)

This course offers students a chance to prepare more advanced food items as well as planning full meals. In this course, students will learn food preservation techniques, explore food-related careers and practice menu planning. Possible other covered subjects include: sourdough, breakfast, and vegetarianism. Students will experiment with tasty recipes, often over multiple day labs, to create interesting and unique dishes.

CULINARY ARTS 10 (MCUL-0A)

CULINARY ARTS 11 (MCUL-1A)

CULINARY ARTS 12 (MCUL-2A)

This course is designed to develop artistic skills using food as the medium. There is an emphasis on design and plate presentation: Students will create their own Pictorial portfolio of work which is submitted and marked at the end of the course. Topics offered may include:

Fine arts vocabulary	Food photography	Cookie decorating
Vertical arrangements of food	Breads & rolls	Cream puff swans
Plate painting	Decorative pies	Sushi
Cakes	Pavlova	Danish pastry
Seasonal (Pysanky, Jack O lanterns, Gingerbread houses)		Napkin folding

CHILD DEVELOPMENT & CAREGIVING 12 (MCDAC12)

This course will explore in detail child development from conception to age 12. This course is a blend of hands-on learning, including taking home a computerized baby and working with young children in a local elementary school, and academic learning that includes anatomy and psychology. This course is ideal for anyone who intends to be a parent one day or wants to have a career in childcare, but anyone who will ever interact with a child would benefit from this course.

TECHNOLOGY AND SKILLS EDUCATION

PSYCHOLOGY 12 (YPSYC2A)

Psychology is the study of human behavior and mental processes and encourages students to think deeply about their own convictions and behaviors and what constitutes both “normal” and “abnormal” behavior. A focus on media and case studies will be utilized to reinforce central themes and ideas and the course will focus on topics which may range from stress and addiction to personality traits and psychological disorders. Although Psychology has direct ties to careers in nursing, medicine and education, the implications of the discipline also intersect with criminology and police work, business, government and marketing. This course is designed to be dynamic, interactive and engaging and will adapt based on student preferences or interests. It is a board/authority authorized course.

DRAFTING 10 (MTDRF10) - Introductory Drafting and Design

This introductory course focuses on building core skills in design and visual communication through technical drawing. Students will explore basic drafting disciplines, including freehand sketching, 2D drafting, 3D modeling, and the fundamentals of AutoCAD and 3D printing.

DRAFTING 11 (MTDRF11) - Intermediate Drafting and Design

In this intermediate course, students will deepen their understanding of drafting techniques and disciplines. Emphasis will be placed on precision, advanced 2D drafting, and the creation of complex 3D models using industry-standard tools such as AutoCAD and 3D printers.

DRAFTING 12 (MTDRF12) - Advanced Drafting and Design

This advanced course challenges students to apply their skills to complex, real-world drafting problems across multiple disciplines, including mechanical, architectural, and civil drafting. Students will work on high-difficulty projects that require precision, advanced design thinking, and the integration of various software tools such as AutoCAD, Revit, and 3D modeling software.

ELECTRONICS & ROBOTICS 10 (MTEAR10) – Introductory Robotics and Electronics

This course introduces students to the exciting world of robotics by engaging them in hands-on design, building, and basic programming of 3D-printed robots. Students will develop foundational skills in electronics, mechanics, and coding, while learning problem-solving strategies and teamwork.

ROBOTICS 11 (MTROB11) – Intermediate Robotics and Electronics

Building on the foundational skills from Grade 10, this course introduces more advanced concepts in robotics, electronics, and programming. Students will work in teams to design, assemble, and program more complex robots using microcontrollers and sensors.

ROBOTICS 12 (MTROB12) – Advanced Robotics and Electronics

This advanced-level course challenges students to design and develop sophisticated robotic systems, integrating advanced electronics, mechanics, and programming. Students will tackle complex engineering problems, using microcontroller platforms, sensors, actuators, and custom 3D-printed components.

SKILLS EXPLORATION 10-12

Exploring Construction/Carpentry/Plumbing/Electrical

Skills Exploration is an educational program for students who are interested in pursuing a career in the trades. This program will introduce students' grades 10- 12 to different trades through hands-on learning delivered in the high school. Successful students of this program will gain high school credits. This course will provide students an opportunity to sample trades before going into the Youth Train in Trades (TRN) and/or Youth Work in Trades (WRK) programs helping them increase their understanding of the options they have across several careers before committing to one. Skills Exploration is an engaging program in which students use hands-on-learning to acquire skills and knowledge related to the construction trades.

Skills Exploration allows students to gain valuable hands-on experience in important trade and manufacturing sectors. Through exposure to core skills common to many trades, Skills Exploration students will be able to better make informed high school course and career choice options.

SKILLS EXPLORATION 10 - Introductory (MSTX-0A)

This introductory course focuses on building core skills in Carpentry, Plumbing and Electrical work. This course provides students with experiences in these trade areas, through hands on learning.

SKILLS EXPLORATION 11 – Intermediate (MSTX-1A)

In this intermediate course, students will deepen their understanding of Plumbing, Carpentry and Electrical work. Emphasis will be placed on quality workmanship and precise measurement and correct and skilled use of the tools of the trade.

SKILLS EXPLORATION 12 – Advanced (MSTX-2A)

This advanced course challenges students to apply their skills to complex, real-world construction projects. Students will work on high-difficulty projects that require precision, advanced use of the tools and quality craftsmanship.

WOODWORK 10 (MWWK-10)

This introductory course emphasizes safety and the basic use of woodworking tools and machinery. Students in this course will learn:

- Project measurement, layout, and cost calculations.
- Woodshop routines and procedures required for project completion.
- Hand & Machine tool use and safety.
- Basic wood joinery methods.
- Methods for surface preparation and finishing

Students should complete 4 or more small projects in this course.

WOODWORK 11 (MWWK-11)

Students in this course will build on the skills from Woodwork 10 and learn:

- Basic cabinetry skills.
- More advanced hand and machine-tool operation and set-ups.
- More advanced joinery and finishing techniques.
- Basic artistic woodworking techniques (carving, wood bending, scroll saw, lathe...)

Students should complete 3 required projects and at least one student chosen project in this course. Required projects will allow for student choice and design options to “personalize” their work.

WOODWORK 12 (MWWK-12)

Students in this course will use the skills learned Woodwork 11 to complete independent projects that they have selected and properly planned. Theory and lessons will be assigned based on what is needed to allow successful completion of each project. The projects they chose will require them to complete approx. 80 hours of total project working time.

FURNITURE & CABINETRY (MTFAC12)

Furniture and Cabinetry 11/12 is for woodworking students that are interested in building their skills as a hobby or are looking to pursue a potential future career in the woodworking industry. Students will develop their joinery skills using industrial woodworking machines to build a small cabinet / nightstand. Students will then have the opportunity to design and build a piece of furniture / cabinetry of their own. There is no cost to students for materials to meet the outcomes of the course, however, students may wish to pay for additional supplies if they would like to upgrade the quality of materials and size of the projects to fit their own specific needs.

METALWORK 10 (MTMET10)

This is an introduction to Metalworking. Students will develop skills and experience in basic metalworking, hand tools, sheet metal forming, machining, and welding. Students have MORE FUN learning and building larger and more complex projects while further developing their metalwork skills. Projects can be as large as a Minibike or a Go Kart.

METALWORK 11 (MTMET11) - formerly known as Metal Fabrication & Machining 11

Students will develop a superior level of skills and accuracy in the areas of Machining, Welding, & Fabricating.

METALWORK 12 (MTMET12) - formerly known as Metal Fabrication & Machining 12

Upon successfully completion of mandatory projects that help students learn Machining, Welding, and Fabricating skills. Students will further hone their skills by planning, designing, and building projects of their choice using skills learned in previous courses.

POWER TECHNOLOGY 10 (MTPOW10) – formerly Mechanics 10

Power technology 10 is designed to be a foundational course for automotive technology 11 – 12, and on into dual credit courses. The course has an ongoing focus on shop safety and how safety relates to an industrial setting. Hand tools, fasteners, materials-science and materials identification are all units that build on engine parts, engine function, and precision measurement. The function and use of the two and four stroke engines are included in depth and supported by hands on learning. Students are encouraged to bring in their own projects near the end of the course and perform routine maintenance and repair on lawnmowers, motorcycles and other small engines.

AUTOMOTIVE TECHNOLOGY 11 (MTAUT11)

In this basic automobile repair and maintenance course, students study the theory of operation and the basic operating systems. Hands-on laboratory exercises and repairs to vehicles will put theory into practice. Students leave this course with a basic understanding of the working systems of the modern automobile, the tools used, and the industry-wide standards of safety, maintenance and repair.

AUTOMOTIVE TECHNOLOGY 12 (MTAUT12)

Building on Automotive Tech. 11, this course explores the theory and operation of automotive systems. Students are expected to possess a high degree of competency in basic shop procedures and to perform hands-on exercises with little instruction. The students will apply previous knowledge as they learn to diagnose and repair vehicle systems. An introduction to fuel injection, fuel injection parts and the theory is included. Students will also learn the basic use of diagnostic scan tools and code readers.

LANGUAGES

FRENCH 10 (MFR--10)

In French 10 students will continue their study of French through reading, writing, listening, conversation, translating and vocabulary building. Skill development will be through activities such as asking and answering questions, interviewing, creating power points, creating skits, describing and talking about past, present and future events. Theme-based projects on countries, describing family, friendship and environment will be included.

FRENCH 11 (MFR--11)

French 11 is a continuation of French studies designed to develop a higher level of competence in listening, speaking, reading, translating and writing abilities. A greater emphasis will be placed on composition and translation. Written and spoken projects will be integrated in the course. Theme-based projects on cultures, current events and environment will be included.

FRENCH 12 (MFR--12)

French 12 is a continuation and expansion of French 11. The complexity of the grammar and the volume of vocabulary will increase and a greater variety of reading materials will be introduced. Written and spoken projects will make up an important part of the course. Theme-based projects on cultures, Arts and music, and current events will be included. Emphasis is placed on the ability to write French at a higher level of competency.

FIRST NATIONS LANGUAGES

First Nations Language Studies are open to students who are interested in learning the Carrier, Chilcotin or Shuswap language. They must have some knowledge of the Carrier, Chilcotin or Shuswap background.

DAKELH 10 (CARRIER) (YAES-0A-CA)

Students continue to learn the reading and writing of basic Carrier and will practice one on one oral speaking skills. Traditional lifestyles and cultural history are also included.

DAKELH 11 (CARRIER) (YAES-1A-CA)

A basic understanding and enjoyment of the Carrier language and expression will be taught, along with historical & contemporary issues. Students continue to learn the reading and writing basics of Carrier and will practice oral speaking skills. This course encourages imaginative self-expression through a variety of arts & crafts. Students will also learn through field trips.

SECWEPEMCTSIN 10 (SHUSWAP) (MSWP-10)

The students will learn more on oral, reading and writing in Shuswap. This level will also include traditional lifestyles and some history in Shuswap. Students will also do some leatherwork.

SECWEPEMCTSIN 11 (SHUSWAP) (MSWP-11)

A basic understanding and enjoyment of Shuswap language and oral expression will be taught, along with historical and contemporary issues. This course encourages imaginative self-expression through a variety of media such as beadwork, buckskin crafting, and basketry. Students will also learn through field trips.

TSILHQOT'IN 10 (CHILCOTIN) (YLOE-0A-CA)

The students will continue to practice and understand the oral portion of the Chilcotin language. To support the oral portion, students will continue working with reading and writing the Chilcotin language. This level will also include traditional lifestyles and some history of the Chilcotin.

TSILHQOT'IN 11 (CHILCOTIN) (YAES-1A-CA)

With ongoing practice, students will continue with reading, writing and understanding most of the Chilcotin language. With the continued practice of oral speaking in Chilcotin, students should be able to say some sentences and give directions. They will also continue with traditional lifestyles and some history of the Chilcotin.

OTHER SELECTED STUDIES

INDEPENDENT DIRECTED STUDIES

At LCSS we encourage students to use the Independent Directed Study Framework to earn credit for learning they are doing beyond their regular classroom experience. We know there are opportunities across the communities in Cariboo-Chilcotin School District for students to engage in learning that is meaningful to them culturally or personally while also connected to learning outcomes of the BC curriculum. We recognize there are community experts and resources to support students following their interests and goals. This framework is designed to help students work with their school and community to plan, engage in and demonstrate learning in a way that will allow students to earn credit in the graduation program.

The IDS is a school course, and it is designed by the student with their support teacher, principal, or vice-principal. It is a directed study which means, it is planned in advance of the activities of the study. The IDS structure is as follows:

1 credit = 30 hours of activity + creating a project/activity + sharing your project with a teacher at your school

2 credits = 60 hours of activity + creating a project/activity + sharing your project with a teacher at your school

3 credits = 90 hours of activity + creating a project/activity + sharing your project with a teacher at your school

4 credits = 120 hours of activity + creating a project/activity + sharing your project with a teacher at your school

FRENCH IMMERSION PROGRAM-Grades 10 to 12

Instruction is in French and students are expected **to speak French at all times** in the Fr. Immersion classes. The Fr. Immersion courses follow the same curriculum as the equivalent courses in English. Students still enroll in English 10, 11, and 12, as the Français Langue courses do not replace them. The following indicates the French Immersion courses that a student must take in each grade as well as their other courses.

Grade 10	
	Français Langue Second-Immersion 10 (FFRAL10) 4 credit course
	Sciences Humaines et sociales 10 (FSCH-10) 4 credit course
	One Elective in French: • Arts Visuels en Atelier 10 (FVAST10) OR others as offered 4 credit course
Grade 11	
	Histoire et culture francophones 11 (FHC--11) 4 credit course
	Communication orale 11 (FSPLG11) 4 credit course
Grade 12	
	Français Langue Second-Immersion 12 (FFRAL12) 4 credit course

French Immersion Students are required to write provincial exams in: Français Langue 12 plus English 12, EFP 12, or Communication 12. These are minimum exam requirements. FRAL 12 has an oral component that is completed prior to the written exam.

Course descriptions are available at: <https://curriculum.gov.bc.ca/curriculum/fral/10/courses>