Lake City Secondary School

Student Course Selection Handbook

2024 - 2025

Grades 10 to 12

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

CAREER PROGRAMS

CAREER LIFE CONNECTIONS 12 (MCLC 12)

Career Life Connections 12 (MCLCB12) 2 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

University English 1100 (PV---2A-HD)

In English 1100 students will explore the practices of reading and writing in scholarly contexts. Students will read and analyze scholarly journal articles from a variety of disciplines and develop their abilities to compose in the genres and sub-genres of academic writing, including incorporating research and documentation in a grammatically correct style.

Upon successful completion of this course, students will earn credits from both TRU and graduation credits from LCS. These credits are considered dual credits. The credits count as graduation credits on the student's post-secondary transcript.

Pre-requisite: English Studies 12/English First Peoples 12 with a minimum of 73%

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 Wild Fire 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.
- 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 Basketball 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 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 (2 credits)
- Science 11 – Life Sciences 11 **or** Chemistry 11 **or** Physics 11 **or** Earth Science 11
- Foundations of Math 11 **or** Pre-Calculus 11 **or** Workplace Math 11 **or** Computer Science 11

Electives

Active Living 11(PE 11) Aquatics 11 Art Studio 11 Basketball 11 (Outside timetable) Automotive Technology 11 Choir 11 Computer Science 11 Concert Band 11 Culinary Arts 11 Dakelh 11 (Carrier) Drafting11 Drama 11 Drawing and Painting 11 Ceramics and Sculpture 11 Film & TV 11 Fitness & Conditioning 11 Foods Studies 11	French 11 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) Woodwork 11 Jazz Band 11 – outside timetable Tour Band 11 – outside timetable

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

****FRENCH IMMERSION STUDENTS****
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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 • 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** Basketball • Career Life Education 10	**Required Courses** • 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 **or** Computer Science 11 • One Science: Biology 11 **or** Physics 11 **or** Chemistry 11 **or** Earth Science 11 **or** Science for Citizens	**Required Courses** • English Studies 12 **or** English First Peoples 12 • Work Experience • Capstone Project • A Minimum of Three Provincial Authorized Grade 12 Courses
Elective Courses • Choose any 2 elective offerings	**Elective Courses** • Choose any 4 elective offerings	**Elective Courses** • Choose any 7 elective offerings
Total Credits Earned:	**Total Credits Earned:**	**Total Credits Earned:**
Combined Total Credits:		

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 ELA 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.

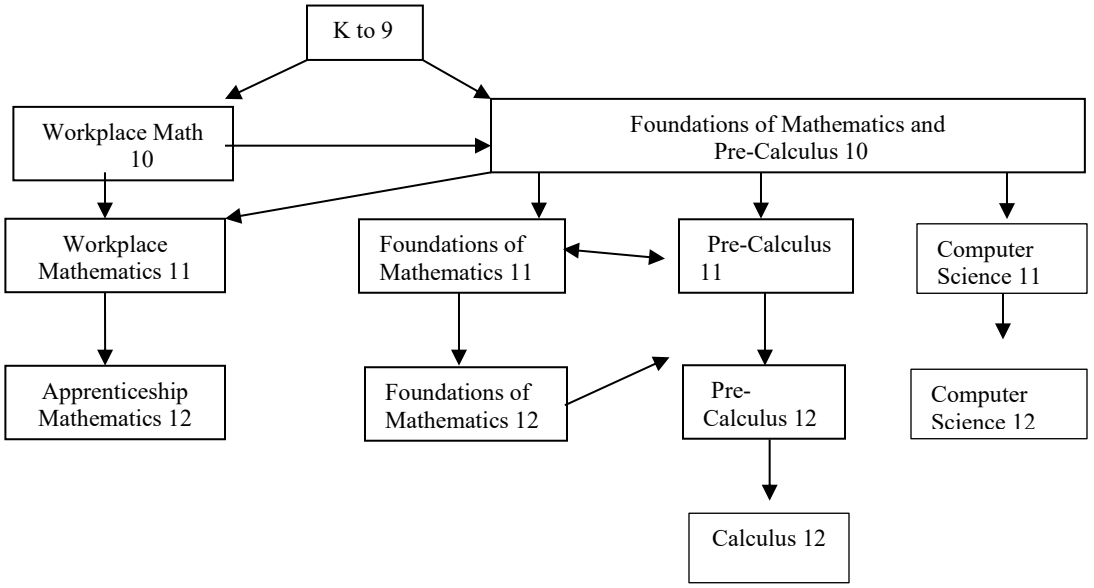
Graduation Requirements:

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 the majority of 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, combinatories, 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

PHYSICAL & HEALTH EDUCATION 10 (MPHED10)

The Physical and Health Education 10 program helps students understand their strengths and weaknesses with regard to physical fitness. Students will be encouraged to plan and achieve personal goals towards maintaining lifelong fitness. Students will understand that personal fitness can be maintained and improved through regular participation in physical activities.

Students will be introduced to a variety of physical activities to increase their chances of being active throughout their lives. This will include indoor, outdoor and skating activities. 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 regard to healthy eating, sleep routines, technology and healthy sexual decision making.

ACTIVE LIVING 11 (MACLV11)
ACTIVE LIVING 12 (MACLV12)

The focus of Active Living 11/12 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 11/12 requirements, the following activities will be implemented: skating, dance, minor 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.)

FITNESS & CONDITIONING 11 (MFTCD11)
FITNESS & CONDITIONING 12 (MFTCD12)

Fitness & Conditioning 11/12 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)
OUTDOOR EDUCATION 12 (MODED12)
Leadership in Community Recreation

Communities need leaders committed to building healthy options for citizen activity: ones who work to bring sports, games, events, activities and the like to the broader community. The primary goal of this course is for students to develop skills and gain experience in recreational leadership through the use of various activities and the course textbook. It is about "being that person" who leads others in activities, rather than being the one who waits for something to do. A secondary goal is to increase awareness of activities available in and around our community through participation.

Students who take this course are **expected to be open-minded, willing to try new things, and enjoy taking a leadership role** in a variety of activities and experiences. Assessment for this course is based more on participation and effort instead of skill development and mastery of certain athletic outcomes.

HOCKEY 10 (MPHED10-H)
HOCKEY 11 (MACLV11-HO)
HOCKEY 12 (MACLV12-HO)
Standard programs - $200 fee for busing and ice rink rental for Hockey 11 & 12.
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.

Total Ice: typically once a week students are bused to Total Ice for on ice skill development, off ice fitness training and testing, and skating treadmill training.

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)
*Girls only class may be offered depending on registration.

AQUATICS 10 (MPHED10-AQ)
AQUATICS 11 (MACLV11-AQ)
AQUATICS 12 (MACLV12-AQ)
The aquatics program has been developed to offer student swimmers an individualized training program. Participants will develop swimming skills (stroke technique, racing skills (starts and turns) and racing strategies), fitness, training knowledge (aerobic and an aerobic), dryland training, flexibility, mental training techniques and become familiar with a variety of aquatic activities (Water running, water polo, under water hockey, etc). Instruction will take place during 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's Bronze Star / Medallion / Bronze Cross / NLS.

BASKETBALL 10 (MPHED10-BB)
BASKETBALL 11 (MACLV11-BB)
BASKETBALL 12 (MACLV12-BB)
Basketball 10-12 is a physical education class tailored for students in grades 10-12 who seek to enhance their basketball skills. This dynamic course, conducted before the regular school day (7:15 am - 8:35 am), focuses on fundamental techniques, teamwork, and game strategies. Open to all skill levels, Basketball 10-12 provides an opportunity for students to engage in early morning workouts to improve cardiovascular endurance, strength, and agility. This course will count for credit in PHE 10, Active Living 11, or Active Living 12. **STUDENT MUST PROVIDE THEIR OWN TRANSPORT TO SCHOOL.**

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
Science for Citizens 11 prepares students 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 implication 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 <u>not</u> 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.

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.

ELECTIVES

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)
PHOTOGRAPHY 12 (MVAPH12)
In this introduction to photography class you will be learning digital photography as well as some traditional darkroom developing. We will learn how cameras work, and advanced manual functions to get the best out of your camera. This class can count as either an applied skills or fine arts credit. We will learn about composition, studio lighting, and exposure. Students will create fine art photography (portraits, landscapes), and commercial art (posters, cards, book covers and calendars). Students are required to present the work of a master photographer of their choice. A digital portfolio will play a central role in the assessment for this class. Industry standard software will be used in this course, including Adobe Photoshop as well as free online software you can use from home. The photography department has a limited collection of cameras for students to use. Access to your own digital camera is an asset. Students at all levels are welcome.

Projects include: fill flash outside, studio portrait lighting, painting with light, Photoshop collage, photography research project, editing in light room and Photoshop, best editing apps for your phone, silhouettes, conceptual self-portraits, how to use the manual setting on a DSLR camera, how to get the most out of your phone camera, composition, building your own camera in the darkroom, the history of photography, how to control depth of field, ghost photography, capturing motion in sports photography, how different lenses work, theme based photo series, diptychs, photography careers and research, on location portraits, photo screen printing on posters or shirts, grad photos, photos with Santa, advanced Photoshop.

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)

Students will be introduced to the world of cinema, exploring the art, history, and techniques behind the silver screen. Through in-depth discussions, screenings of classic and contemporary films, and hands-on projects, students will gain a critical understanding of cinematography, storytelling, editing, and the cultural impact of film. From analyzing the works of renowned directors to examining the evolution of genres, this course will cultivate a deeper appreciation for the power of visual storytelling and empower students to become discerning viewers and creators in the dynamic realm of film. Additionally, students will have the opportunity to delve into the craft of screenwriting, crafting their own narratives and exploring the elements of story structure, character development, and dialogue. This course is open to grades 11 and 12.

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

This course is designed for people who want to tell great stories on film. We will learn the basics of visual storytelling, how to work a video camera like a pro, and edit your movies on the computer. Projects may include stop-motion animation, commercials, interviews, short dramas and news stories. You will also learn the basics of lighting, green screening, sound effect creation, copyright free resources, and microphones for films. The computer software is easy to learn and includes lots of special effects allowing you more time to make more stuff! Everyone is invited to submit art for the annual art show at the end of the year.

MEDIA ARTS 11 (FILM & TV) (MVAMT11)
MEDIA ARTS 12 (FILM & TV) (MVAMT12)
This is a course that will build on the skills you've learned in Film and TV 9/10. We will be concentrating more in the Computer Lab on editing and special effects in this course. Students will learn how to use professional industry standard software such as Abode Premier CS6, Adobe Photoshop CS6 and Adobe After Effects CS6. Green screening, Rotoscoping (light saber effect), Special Effects Makeup and Mixing Animation with Video will be explored. Advanced camera work will also be taught using all manual controls for special professional effects. There will be some written content to this course in the form of pre-production, vocabulary, and short essay questions as well as hands on working with equipment. Advanced Camera, Lighting and Audio work will also be taught.

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)
GUITAR 11 (MIMG-11)
GUITAR 12 (MIMG-12)
For students who are starting to play guitar, and for those who have not played in a while, we will be going through the basics of note reading, basic chord structure and how to read tab. You will have the opportunity to learn and perform songs.

In this course students who already have basic knowledge of playing guitar will learn major and pentatonic scales, chord inversion, major, minor and dominant arpeggios, and basic compositional theory. As well, they will learn to improvise and perform in small ensembles.

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
This course introduces students to the foundational concepts of computer science and challenges them to explore how computing and technology can impact the world. With a unique focus on creative problem solving and real-world applications, it offers a multidisciplinary approach to teaching the underlying principles of computation. The course covers the creative aspects of programming, abstractions, algorithms, large data sets, the Internet, cyber security concerns, and computing impacts. The main programming language used is JavaScript, one of the leading industry standards. *Any interested Grade 12 students may take this course.

COMPUTER SCIENCE 12 (MMACS12) prerequisites Computer Science 11
This course is for Grade 12 students interested in building on the foundations established in Computer Science 11. Students will go deeper into how computing and technology can impact the world, with a unique focus on creative problem solving and real-world applications. The course covers the creative aspects of programming, abstractions, algorithms, large data sets, the Internet, cybersecurity concerns, and computing impacts. Grade 12 students will also have the opportunity to code in Unity to develop a portfolio that reflects their interest.

MEDIA DESIGN 10 (MMEDD10)
MEDIA DESIGN 11 (MMEDD11)
MEDIA DESIGN 12 (MMEDD12)
Media Design is a course where you can express your visual creativity through digital drawing, animation, character design, special effects, and 3D modelling, all the while improving your computer skills! You will use industry-standard programs such as Photoshop, Illustrator, and After Effects. Complexity of assignments will be dependent on grade level and student aptitude. This course is highly recommended for all students interested in the movie, game, marketing, and/or graphic art industries.

GRAPHIC PRODUCTION 11 (MGRPR11)
GRAPHIC PRODUCTION 12 (MGRPR12)
Explore the exciting world of graphic design. Learn to use Adobe Illustrator to create your own logos, signs, and graphics. You will also learn how to get these creations off the screen and into your hands – as stickers, stencils, apparel and more! Personal creativity is emphasized. Ambitious students may choose to develop a graphic design portfolio to earn passive income online. This course is recommended to students interested in self-employment, and/or in the graphic arts, fashion, and marketing industries.

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)
The large project for this class 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 course is a continuation of Foods 9. Students will experience further food knowledge and skills while preparing even more delicious dishes. A treat for your taste buds!

FOOD STUDIES 11 (MFOOD11)
Course Fee: Students will be asked to provide some supplies for projects that are taken home as well as providing foods for "free" labs chosen by the students.
This senior course will introduce students to a world of new foods! Students will prepare unique foods from around the world, and experience the art of gourmet entertaining. Students will also gain an advanced knowledge of nutrition, menu planning, vegetarianism and world health and food issues.

FOOD STUDIES 12 (MFOOD12)
Course Fee: Students will be asked to provide some supplies for projects that are taken home, as well as providing foods for "free" labs chosen by the students.
This course offers students a chance to prepare more advanced food items as well as planning full meals. Students will enjoy making items to fill a seasonal basket and they will also learn the secrets of sensible eating. This is a very practical course for all students interested in cooking, nutrition and menu planning.

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)
DRAFTING 11 (MTDRF11)
DRAFTING 12 (MTDRF12)
This course introduces students to the concepts of design and visual communication by developing skills in technical drawing. As an exploratory course, many areas will be covered including sketching, modeling, 2D and 3D drafting. AutoCAD, and 3D Printing. Students will become familiar with mechanical drawings, architectural design and gain other skills that can be transferred to many other areas of design. These skills will assist your development in other Technology courses. If you are interested in design, engineering, construction and the trades, this course will develop an excellent set of skills for many career and life choices.

ELECTRONICS & ROBOTICS 10 (MTEAR10)
ROBOTICS 11 (MTROB11)
ROBOTICS 12 (MTROB12)
This course will involve students in the development, building and coding/programming of a 3D printed robot. Additionally this course will introduce the student to basic programming as well as problem solving strategies. Students will work hands-on in teams to design, build, program and document their progress. The course will consist of introductions into the basic principles of engineering, physics, electronics, mechanics, and computer programming. While building the robots, students will learn the function of basic electronics

SKILLS EXPLORATION 10 (MSTX-0A)
SKILLS EXPLORATION 11 (MSTX-1A)
SKILLS EXPORATION 12 (MSTX-2A)
Construction/Carpentry/Plumbing/Electrical
Youth Explore Trades Skills 10-12 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. Youth Explore Trades Skills is an engaging program in which students use hands-on-learning to acquire skills and knowledge related to the construction trades.

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

WOODWORK 10 (MWWK-10)
WOODWORK 11 (MWWK-11)
WOODWORK 12 (MWWK-12
In Woodwork 10, students build on the skills they obtained at Columneetza in grade 9. The students learn how to work safely in a woodwork shop and complete projects. Projects include the apple crate, the side table, and various boxes with simple joinery. If time permits students will be able to do a small self-directed project of their own design. Shop rules regarding safety and proper design will be in effect in all project construction.

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 Mini Bike 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 sociales10 **(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	
	Francais Langue Second-Immersion 12 **(FFRAL12)** 4 credit course
	Arts visuels en atelier 12 **(FVAST12)**

French Immersion Students are required to write provincial exams in: Francais 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