

LAKE CITY

**Lake City Secondary School
Williams Lake Campus
Student Programming Handbook
2018-2019**

Grades 10 to 12

Our school website is www.lakecitysecondary.com

FALCONS

CAREER PROGRAMS

CAREER LIFE EDUCATION

PLEASE NOTE THAT THE MINISTRY OF EDUCATION IS MAKING CHANGES TO GRADUATION REQUIREMENTS IN THIS AREA. Beginning in 2018-2019, 4 credits in Career Life Education (CLE) will replace Planning 10. Beginning in 2019 -2020 4 credits in Career Life Connections (CLC) with a Capstone Project will replace the Graduation Transitions. Read more at:

<https://curriculum.gov.bc.ca/curriculum/10-12#ce>

GRAD TRANSITIONS (MGT-12)

Graduation Transitions is a Ministry required course **NOT** an elective course, and occurs outside the timetable. Graduation Transitions is a continuation of Career Life Education 10 that can take up to 10 hours to complete the written portion, as well as completing 30 hours of work/volunteer experience, between Grades 10 through 12. The required components of Graduation Transitions include who am I, healthy living, community connections, career and life, and the grade 12 presentation with a community member. Each component has specific dates for submission during the grade 12 school year.

CAREER LIFE EDUCATION (MCLE-10) (implement in Sept. 2018)

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. Finishing with an awareness of overall life balance. (Also found in the foundation course section)

Extra Career Program Offerings

YOUTH EXPLORE TRADES SKILLS 10-12 (MSTX 10 –12)

The Skills Exploration 10 -12 (STX) course has been produced by the Ministry of Education with consultation from the Industry Training Authority (ITA) and BC educators. The rationale is to expose youth to a variety of in demand trades so they can make a more informed decision if interested in taking a YOUTH Train in Trade Program, or to assist in preparation for youth Work in Trade Program. Statistics have shown that a low percentage of students actually follow through to complete Red Seal certification. The hope is that with taking a course like STX, youth will be better able to make an informed decision regarding a career in the trades. The intention of this course is to provide students with a trades sampler so that the youth Train in Trades Programs can attract students that are the more likely to go on to earn a Red Seal Certification.

Course goals:

Introduce students to trades and technology careers, and the type of work involved in them, through hands on experience. Enhance existing interest in trades and technology careers. Enhance students' existing job-readiness skills, or provide opportunities for the development of new skills. A central outcome is to provide all students with the opportunity to learn selected apprenticeship Level 1 technical training skills in a variety of trades. Providing students with smooth transitions from school to work, and helping to prepare students to enter the world of work with the skills, attitudes, and sense of responsibility necessary to be successful, are a few of the expected outcomes of STX. (Also found under technology Education)

YOUTH WORK IN TRADES 11 & 12 - APPRENTICESHIP (MWRK 11/12)

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 or would like to pursue a career in the trades and are able to find an employer to sponsor him/her.

Students must complete a minimum of 480 hours of paid work by August of their grade 12 year to be eligible for a WRK Scholarship.

A \$1,000 scholarship 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. This scholarship can be used towards tools, books, or tuition fees.

Students who already work with a certified tradesperson are encouraged to investigate the possibilities of starting an apprenticeship.

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 16 high school credits, post-secondary credits, and Industry Training Authority (ITA) technical trade apprenticeship training at the same time. This program can be offered through a partnership with a post-secondary institution or at an ITA certified training facility which ensures students are instructed by a certified trade's instructor. Meaning the student will attend TRU Williams Lake for the duration of the program or some other post-secondary

institute offering the program of choice. This program may be taken simultaneously with the youth Work in Trades program (WRK). Please contact the Career Centre for more information.

TRANSITION PROGRAMS (Health Care Assistant and Applied Business Technology)

School District 27, in partnership with TRU – Williams Lake currently offers the Health Care Assistant program and Applied Business Technology to secondary school students, operating on the same basis as the ACE IT programs. (24 credits)

JUNIOR FIRE CREW (Jr. I.A.)

Jr. I.A. is a Forest Fire Suppression program offered during the spring of the school year for students in grade 12. It is a 60 hour program requiring commitment to attend every session. Training leads to a limited number of student positions in summer employment, available with the Ministry of Forests (Protection Branch) immediately following the completion of the program. The maximum number of students accepted to the program is 12. Further information is available in the Career Centre. (2 credits).

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 Construction Safety, 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 (4 credits).

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 4 credits for elective work experience.

For further information about these programs please pick up a supplemental handout from the Career Centre.

Grade 10

Required Credits

- Social Studies 10
- Science 10
- Physical and Health Education 10 – **or** Hockey 10
- Spoken Language, New Media, Literacy Studies, Creative Writing, Composition (previously English 10) these will be offered as combined courses
- Mathematics 10 – Workplace Math 10 **or** Foundations & Pre-Calculus 10
- Career Life Education 10
- DPA (Daily Physical Activity)

Electives

Carrier 10
Chilcotin 10
Concert Band 10
Core 10
Drafting 10
Drama 10
Electronics & Robotics 10
Film & TV 10
Foods 10
French 10
Guitar 10 – Advanced
Guitar 10 - Beginning
Jazz Band 10
Metal Work 10
Power Technology 10
Shuswap 10
Textiles 10
Tour Band 10
Studio Arts 10
Woodwork 10
Youth Explore Trades Skills 10

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

Grade 11

Required Credits

- English 11 **or** Communications 11 **or** English 11 First People
- Social Studies 11 **or** BC First Nations Studies 12
- Science 11 – Biology 11 **or** Chemistry 11 **or** Physics 11 **or** Earth Science 11
- Mathematics 11 – A&W Math 11 **or** Foundations 11 **or** Pre-Calculus 11
- DPA (Daily Physical Activity)

Electives

Active Living 11(PE 11)

Art Foundations 11

Automotive Technology 11

Carpentry & Joinery 11

Carrier 11

Ceramics & Sculpture 11

Chilcotin 11

Computer Science Principles 11

Concert Band 11

Culinary Arts 11

Design Animation 11

Drafting 11

Drama 11

Drawing & Painting 11

English 11 First Peoples

Environmental Studies 11

Family Studies 11

Film & TV 11

Fitness & Conditioning 11 (Personal Fitness)

Foods 11

French 11

Guitar 11- Advanced

Guitar 11 - Beginning

Hockey 11

Introduction to Welding 11

Jazz Band 11

Leadership 11

Marketing 11

Metal Fabrication & Machining 11

Music Comp & Tech 11

Outdoor Education 11(Sports & Rec)

Photography 11

Psychology 11

Rugby 11

Shuswap 11

Story Telling 11

Tour Band 11

Vinyl Graphics 11

Yearbook 11

Youth Explore Trades Skills 11

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

Grade 12

Required Credits

- English 12 **or** Communications 12 **or** English 12 First Peoples
- 3 other Grade 12 courses
- Grad Transitions (Career Life Connections)
- DPA (Daily Physical Activity)

Electives

Active Living 12 (PE 12)

Art Foundations 12

Automotive Technology 12

BC First Nations 12

Biology 12

Carpentry & Joinery 12

Ceramics & Sculpture 12

Chemistry 12

Concert Band 12

Design Animation 12

Drafting 12

Drama 12

Drawing & Painting 12

English Literature 12

Environmental Studies 12

Family Studies 12

Film & TV 12

Fitness & Conditioning 12 (Personal Fitness)

Foods 12

French 12

Geography 12

Geology 12

Guitar 12- Advanced

Guitar 12- Beginning

History 12

Hockey 12

Jazz Band 12

Law 12

Leadership 12

Marketing 12

Math 12 – Apprenticeship & Workplace **or** Foundations **or** Pre-Calculus or Calculus

Metal Fabrication & Machining 12

Metal Fabrication & Machining 12 (Advanced Welding)

Music Comp & Tech 12

Outdoor Education 12 (Sports & Rec.)

Photography 12

Physics 12

Tour Band 12

Writing 12

Yearbook 12

Youth Explore Trades 12

****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.

Grade 10	Grade 11	Grade 12
<p style="text-align: center;">Required Courses</p> <ul style="list-style-type: none"> • English 10 term courses will be offered in the following combinations: Spoken Language/New Media, Literary Studies/ Spoken Language, Creative Writing/ Literary Studies, Composition/Creative Writing, Literary Studies/Composition, Creative Writing/New Media ,Composition/ New Media • Socials Studies 10 • Foundations and Pre-Calculus Math 10 or Workplace Math 10 • Science 10 • Physical & Health Education 10 • Career Life Education 10 	<p style="text-align: center;">Required Courses</p> <ul style="list-style-type: none"> • English 11 or Communications 11 or English First Peoples 11 • Social Studies 11 or BC First Nations Studies 12 • Foundations of Math 11 or Pre-Calculus Math 11 or Apprenticeship and Workplace Math 11 • One Science: Biology 11 or Physics 11 or Chemistry 11 or Earth Science 11 	<p style="text-align: center;">Required Courses</p> <ul style="list-style-type: none"> • English 12 or Communications 12 or English First Peoples 12 <i>(required provincial exam)</i> • Graduation Transitions • Three Provincial Authorized Grade 12 Courses
<p style="text-align: center;">Elective Courses</p> <ul style="list-style-type: none"> • Choose any 2 elective offerings 	<p style="text-align: center;">Elective Courses</p> <ul style="list-style-type: none"> • Choose any 4 elective offerings 	<p style="text-align: center;">Elective Courses</p> <ul style="list-style-type: none"> • Choose any 4 elective offerings
Total Credits Earned:	Total Credits Earned:	Total Credits Earned:
Combined Total Credits:		

FOUNDATION STUDIES

GRAD TRANSITIONS (MGT-12)

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CAREER LIFE EDUCATION (MCLE-10) (Implemented Sept. 2018) *formerly Planning 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. Finishing with an awareness of overall life balance.

LANGUAGE ARTS

THE ENGLISH 10 CURRICULUM HAS CHANGED EFFECTIVE SEPT. 2018. THE NEW COURSES OFFERED WILL BE OFFERED AS COMBINED COURSES.

SPOKEN LANGUAGE 10 (MSPLG10) & NEW MEDIA 10 (MNMD-10)

Students will expand speaking skills through presentations, debates, drama and/or poetry recitations. Students will study and create original pieces. Spoken Language 10 is designed to support students in their development of spoken communication through processes of questioning, opportunities for performance, story-telling and public speaking.

Students will study journalism, film, and writing for online media including blogging, podcasting, gaming, writing for the web and writing for social media. The following are possible focus areas in New Media 10: globalization of the media industry, influence of media on users' perceptions, documentaries in the age of digital media, the rise of social media, changing roles and structures within news organizations and/or school journalism.

LITERARY STUDIES 10 (MLTST10) & SPOKEN LANGUAGE 10 (MSPLG10)

Students will read and write about novels, short stories, drama and poetry. Literary Studies allows students to delve more deeply into literature as they explore specific themes, periods, authors, or areas of the world through literary works in a variety of media.

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CREATIVE WRITING 10 (MCTWR10) & LITERARY STUDIES 10 (MLTST10)

Students interested in creative writing will explore and develop their skills as they practice writing. The following are possible areas of focus within Creative Writing 10: poetry, stories, rap, drama, graphic novels, creative non-fiction, historical fiction, poetry, song lyrics.

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COMPOSITION 10 (MCMPS10) & CREATIVE WRITING 10 (MCTWR10)

Students will learn to research and write formal essays and reports. Composition 10 is designed to support students in their development of written communication. Students will work individually and collaboratively to write narrative, expository, descriptive, persuasive, and opinion pieces. Students will also read and study compositions by other writers.

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ENGLISH 11 (MEN--11) (Pre-requisite completion of 4 English 10 credits, effective Sept. 2018)

This course focuses on the study of fiction and non-fiction works. Through the study of plot, character, symbol and irony, the students will be able to assess and evaluate modern and classical themes. In addition, students will continue to develop writing skills that focus on paragraphs and longer compositions. The course provides opportunities for students to learn, use, and appreciate language through a variety of communication forms.

ENGLISH 12 (MEN--12) (Pre-requisite is English 11)

Much of this course focuses on the study of fiction and non-fiction works. Attention is paid to literal understanding and to reading at the interpretive level. This course provides opportunities for students to learn, use, and appreciate language through a variety of communication forms. This includes the various electronic and print media technology available. Students will improve their competency in writing by completing several compositions assigned during the study of novels, short stories and poetry. **A mandatory government exam worth 40% of the students' final grade will be written at the end of the course.**

ENGLISH 11 FIRST PEOPLES (MEFP-11)

English 11 First Peoples will continue with the concepts started in English 10 surrounding literature and literary themes connected to First People from B.C. and around the world. The focus of the course will be on post-colonial literature. Students will continue to develop their writing and literacy skills as required in meeting graduation requirements. Students will encounter texts that address male and female roles, race, racism, social status, interpretations of wealth and poverty, violence and sexual orientation from a First Peoples' perspective.

ENGLISH 12 FIRST PEOPLES (MEFP-12)

This course will deal with the study of post-colonial literature through fiction and non-fiction written by aboriginals from around the world. Through study of plot, character, theme, symbols,

irony and other literary devices, students will be able to assess post-colonial themes in literature. Students will be improving their writing, critical thinking, and appreciation of language through novel studies, film evaluation, essay writing, critical assessment, and literary critiques. Evaluation of student work will include subjective and objective assessment of work habits, assignments, attendance, and effort. This course is accepted at most major universities across the country as the equivalent of English 12. **A mandatory government exam worth 40% of the students' final grade will be written at the end of the course.**

COMMUNICATIONS 11 (MCOM-11)

Communications 11 meets the Grade 11 language requirement for graduation but is not intended for students planning to enter university or academic college programs. The course emphasizes basic skills and develops practical application for the workplace.

COMMUNICATIONS 12 (MCOM-12)

This course is designed to improve basic skills and develop skills necessary in the work place. It fulfills the Language 12 requirement for graduation, but does NOT qualify for entrance into academic programs at college or university. This course may be taken to improve skills prior to enrolling in English 12. **A mandatory government exam worth 40% of the students' final grade will be written at the end of the course.**

ENGLISH LITERATURE 12 (MLIT-12)

Designed for the keen and capable student of English, this course traces our literary heritage from its origin to the middle of the 20th century. The course focuses on poetry, drama and the rise of the novel. Selected major works from authors such as Chaucer, Shakespeare, Milton, Wordsworth, Browning, Yeats, and Thomas will be studied in depth.

WRITING 12 (MWR-12)

Writing 12 is an elective that is designed for students who have an interest in and a flair for writing. Both the Creative Writing and Journalism/Media course options provide opportunities for students to extend their writing skills and experiences beyond those skills and experiences developed in the requisite English courses. Writing 12 is primarily intended to encourage students to experiment with the written word and produce effective original works, although some analysis of relevant works and study of form are encouraged.

STORY TELLING 11 (YLE 11A)

This is an “oral” storytelling class.

This course has been designed to enhance the development of literacy through the lost art of storytelling. Students will study various storytelling techniques and be encouraged to develop a style of their own. They will explore a variety of different types of stories varying from scary campfire stories to myths and legends.

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.

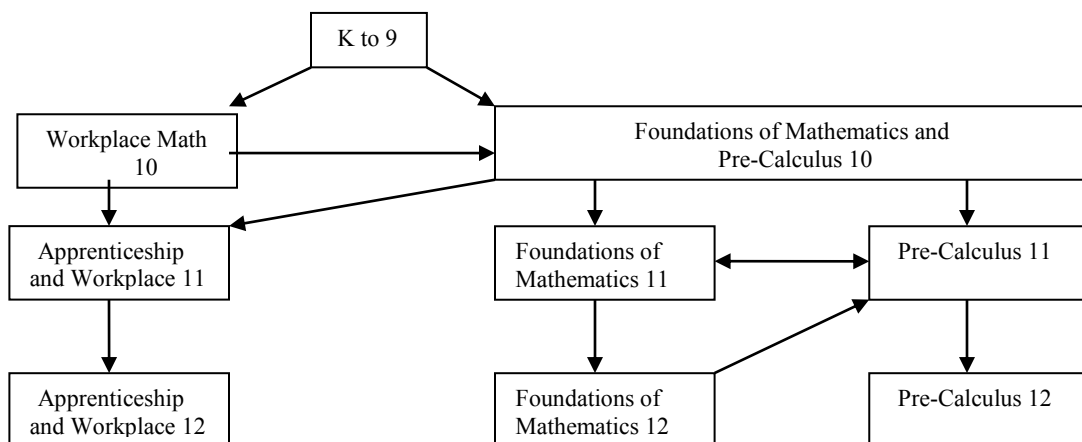
PATHWAYS (Grades 10, 11, 12)

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

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 geometry, measurement, 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 algebra, measurement, relations and functions, and trigonometry.

MATH PATHWAY FOR GRADES 10-12



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 trades program are encouraged to register in Workplace Mathematics 10.

WORKPLACE MATHEMATICS 10 (MWPM-10)

This course is designed for students interested in most of the trades, such as Welding, Carpentry and Heavy Duty Mechanics. It covers the topic of graphs, trigonometry, probability, geometry, finance, puzzles and games. Students who are successful in this course will progress to Work Place 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 measurement using imperial and SI units of measure, 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.

APPRENTICESHIP & WORKPLACE MATH 11 (MAWM-11)

Pre-requisite: Workplace Math 10

This course is specifically designed to provide students with the mathematical understanding and critical-thinking skills identified for entry into the majority of trades at Post-Secondary and for direct entry into the work force. 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 geometry, trigonometry, 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 (MPREC-11)

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 algebra, trigonometry, and relations and functions.

APPRENTICESHIP & WORKPLACE MATH 12 (MAWM-12)

Pre-requisite: Apprenticeship & Workplace Math 11

This course is recommended for students who are planning on entering the workforce directly after high school, or who are planning on pursuing a career in the trades industries. Topics include: measurement, solving trigonometric problems, understanding transformations on 2-D shape or 3-D objects, analyzing puzzles and games, solving problems that involve the acquisition of a vehicle, critiquing small business options.

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 in the arts or the humanities. Topics studied include financial mathematics and decision making, logical reasoning, probability, relations and functions.

PRE-CALCULUS 12 (MPREC-12)

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 relations and functions, trigonometry, combinations and permutations, transformations, logarithms and graphing. A final grade of 67% or higher in Pre-Calculus Mathematics 11 is strongly recommended.

CALCULUS 12 (MCALC-12)

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, inverse functions, induction proofs, area and volume problems.

PHYSICAL EDUCATION

PHYSICAL AND HEALTH EDUCATION 10 (MPHED10)

(Formerly Physical Education 10)

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 (MPE—11-AC)

ACTIVE LIVING 12 (MPE—12-AC)

(Formerly Physical Education 11/12)

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:

- 1) skating
- 2) dance
- 3) minor games
- 4) visitations to community facilities (swimming, skating, bowling, etc.)
(when funding is available)
- 5) active health and fitness development
- 6) theory
- 7) major games (soccer, basketball, volleyball, rugby, badminton, etc.)

FITNESS & CONDITIONING 11 (YHRA-1A-FC)

FITNESS & CONDITIONING 12 (YHRA-2A-FC)

(Formerly Personal Fitness 11 & 12)

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.

RUGBY 11 (YLRA 11C)

This course focuses on the techniques and strategies of the game of rugby. There will be an emphasis on skill building and conditioning. Students will cover positional play, offensive and defensive strategies; as well as, safety and fitness. Some first aid and taping skills will be introduced. Students will also be introduced to officiating skills, as well as organizing games and tournaments.

Students will be expected to develop and present lessons pertaining to particular rugby skills. The class may be involved with the presentation of mini-rugby and/or tag rugby to elementary-aged players. Students will be expected to develop a resource book of rugby skills and training; for personal use.

All students are required to have a mouth guard, and either rugby or soccer cleats.

Some outside of class time will be expected, in order to present lessons to elementary students.

Please note: There may be fees associated with this course to cover costs of transportation, and guest speakers.

OUTDOOR EDUCATION 11 (YLRA-1A-OE)

OUTDOOR EDUCATION 12 (YLRA-2A-OE)

(Formerly Sports and Recreation 11 & 12)

Leadership in Community Recreation

Pre-Requisite: Minimum C+ PE 11 **and** recommendation from the PE Department

- PE department recommendation will be based upon effort and participation in PE 11 **and/or** other PE courses.

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 SKILLS ACADEMY

HOCKEY 10 (MPHED10-H)

HOCKEY 11 (MPE11-H)

HOCKEY 12 (MPE12-H)

Standard programs - \$150

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 bussed 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 (Tues–Thurs) 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)

Competitive program - \$150 plus additional \$250 Total Ice coach/facility fee

This program requires at least one year (with the last two seasons) of rep experience. The program focuses further on skill development and improvement as well as team building aspects and increased fitness training/intensity.

Total Ice: twice a week students are bussed to total ice where they participate in intense dry land training as well as in depth on ice skill development. There is also fitness training done on the skating treadmill. Sessions later in the week are focused in preparation for upcoming weekend games.

On Ice session: three days a week students develop their skills on the ice. They also have further on ice instruction from coach Duff and Lucas in collaboration with rep coaches as to not “burn out” players.

If you are interested in this class, please talk to Mr. Duff.

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.

Sustaining Earth’s Ecosystems

Chemical Reactions and Radioactivity

Motion

Energy Transfer in Natural Systems

BIOLOGY 11 (MBI--11)

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 FOM 11 or preferably PREC 11

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:

- 1) Geology: Weathering; Erosion; Geologic Time Scale; Tectonics, Volcanism and Earthquakes; Rocks and Minerals
- 2) Astronomy: Stellar systems; The Solar System; Earth and Moon
- 3) Oceanography: Ocean currents; Features of the Ocean Floor
- 4) Meteorology: Atmosphere; Pressure and Winds; Climate Change
- 5) Resources and the Environment: Renewable and Non-Renewable Resources.

PHYSICS 11 (MPH--11) pre-requisite FOM 11 or PREC 11 (recommended)

This course introduces students to wave motion and geometric optics, kinematics, dynamics, momentum, energy, special relativity and nuclear fission and fusion. A scientific calculator is recommended.

BIOLOGY 12 (MBI --12)

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, Human Biology

CHEMISTRY 12 (MCH--12) pre-requisite CHEM 11, and FOM 12 or preferably PREC 12 (recommended)

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.

PHYSICS 12 (MPH--12) pre-requisite PH-11, FOM 12 or PREC 12 (recommended)

Students study motion, gravity, electricity, magnetism and other fundamentals of physics in more detail. Components of the course include lab and classroom work, and a Final Exam.

A scientific calculator is required.

GEOLOGY 12 (MGEOL-12)

This course includes lab and classroom work. It covers the following topics: earth materials (an introduction to geology), minerals, igneous/ sedimentary/ metamorphic rocks, and rock and energy resources; time and the fossil record; plate tectonics, seismology and the earth's interior; weathering and erosion water, glaciers; planetary characteristics.

SOCIAL STUDIES

SOCIAL STUDIES 10 (MSS-10)

Social Studies is a multidisciplinary subject that draws from the social sciences and humanities. Students are assisted to make logical connections between historical and contemporary events and issues, and also with different regions, environments and cultures around the world. An overall goal is to develop thoughtful, responsible and active citizens. The Social Studies 10 curriculum is organized around: Applications of Social Studies, Society and Culture, Politics and Law, Economy and Technology, and Environment.

Topic of study: Canada 1815 – 1914

SOCIAL STUDIES 11 (MSS--11)

Students prepare for their lives as Canadian citizens and as members of the international community by studying Canada in the 20th century. The curriculum is organized around Social Studies Skills and Processes, Politics and Government, Autonomy and International Involvement, Human Geography, and Society and Identity.

B.C. FIRST NATIONS STUDIES 12 (MFNS-12)

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.

GEOGRAPHY 12 (MGEO-12)

This course examines both the physical and human-created systems of the world through the study of people, places and the environment. The focus will be on how the physical environment and processes impact the lifestyles of humans, and how the lifestyles of humans in turn reshape the physical environment. Geography 12 will focus on the interplay and interconnection of humans and landscapes, and will address issues such as natural disasters, resources and their sustainability, cultural and population related influences, and ultimately how the earth and people co-exist.

HISTORY 12 (MHI--12)

This course contains information about the history of world affairs in the 20th Century. An important goal of History 12 is to encourage and cultivate an interest in history. This will be done by applying the methods of historical inquiry to the study of the forces that have shaped the 20th century. From 1919 to 1999 the world was dominated by the effects of the world wars, the decline of European power, the polarization of the Cold War, the end of colonial empires, and the emergence of a new era. **(Open to grade 11 and 12 students)**

LAW 12 (MLAW-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. **(Open to Grade 11 and 12 students)**

SOCIAL JUSTICE 12 (MSJ--12)

The aim of Social Justice 12 is to raise students' awareness of social injustice and to analyze situations from a social justice perspective. Social Justice 12 provides students opportunities to challenge their beliefs and values through reflection, discussion, and critical analysis.

The goals of SJ 12 are to enable students to:

- Acquire knowledge that allows them to recognize and understand the causes of injustice.
- Apply critical thinking and ethical reasoning skills to various issues.
- Develop an understanding of what it means to act in a socially just manner.
- Become a responsible agent of change, making positive contributions toward a socially just world.
- Analysis is specifically focused on:
 - Causes and consequences of social injustice.
 - Provisions of human rights legislation.
 - Social Justice related to globalization.
 - Role models (individuals who have fought for Social Justice).
- **Open to grade 11 and 12 students**

APPLIED SKILLS, FINE ARTS, SELECTED STUDIES **VISUAL ARTS**

STUDIO ARTS CERAMICS AND SCULPTURE 11 (MSACS 11)

STUDIO ARTS CERAMICS AND SCULPTURE 12 (MSACS 12)

Ceramics and Sculpture is a course that specializes in clay and sculpture projects. Clay, plaster, metal and mixed media materials will be used. Students work independently to create their own unique body of work. Projects may include wheel throwing, figurative sculpture, carving, and jewelry projects. Support will be available for students interested in applying to Post-Secondary visual art programs. All students are expected to keep a visual journal/ sketchbook. Students at all levels are welcome.

This course is for students who love clay. With more time devoted to the potters' wheel, students will have the chance to develop expertise in "throwing".

STUDIO ARTS DRAWING AND PAINTING 11 (MSADP 11)

STUDIO ARTS DRAWING AND PAINTING 12 (MSADP 12)

This course is for individuals who would like to further work on personal imagery and theme based 2 D studies. This class is designed to stretch your imagination, expand your potential, and give you opportunities to visually respond to and communicate with the world around you. As

you take time to observe and reflect upon "life", you will be expected to translate your thoughts into images. Every step of the way you will be creating imagery; some observed, some imagined, and some remembered. More advanced techniques will be taught using a variety of media including graphite, charcoal, pastel, collage, watercolor, mixed media and acrylics. Students are expected to experiment to use media, think conceptually, and be able to share and critique work. Support will be available for students interested or applying to Post-Secondary visual art programs. All students are expected to keep a visual journal/sketchbook. Students at all levels are welcome.

VISUAL ARTS: ART STUDIO 10 (MVA10)

Would you like to try an art class, but you are not sure where to begin? This class explores both two dimensional and three dimensional art techniques including sculpture, drawing, painting, **jewelry making**, digital art and printmaking. Discover the elements and principles of design and color, learn ways to develop ideas and expression, and explore various styles by looking at famous artists through Art History. This course is a great opportunity for grade 10 students to enjoy the last years at school by returning to the art room or joining for the first time. This course serves as an introduction to all senior level specialty art courses. Students at all levels are welcome.

ART FOUNDATIONS 11 (MAF 11)

ART FOUNDATIONS 12 (MAF 12)

This class is a great opportunity for beginner or advanced art students to enjoy the last years at school by returning to the art room. We will explore both 2-D and 3-D artwork including drawing, painting, print making, jewellery, digital art and sculpture. There is an opportunity for advanced students to work on projects designed more towards developing a portfolio on specific areas of interest, while beginner students learn some basic fun techniques and methods. Two levels (yellow 10/11/12) and (magenta 11/12 advanced) will be taught within the course to accommodate individual comfort levels.

PHOTOGRAPHY 11 (VAMT 11)

PHOTOGRAPHY 12 (VAMT 12)

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.

BUSINESS AND COMPUTER COURSES

MARKETING 11 (MMK-11)

MARKETING 12 (MMK-12)

Build a “Real” Small Business at your school.

Sponsored by: Junior Achievement Company Program Student Venture

Don't really have a career choice in mind yet? We have JUST THE COURSE FOR STUDENTS. Sign up for this FULL fledged “**PROJECT BASED Learning Class**” (hands on practical work) course that allows students to gain a REAL SMALL BUSINESS local community experience.

With the assistance of Junior Achievement and a teacher sponsor, students will learn how to create a small business (operated in the fall semester only) from scratch. Every aspect of this project based class will include: Learning a wide range of marketing techniques, understand how to complete a product purchase, sales promotion & strategies, basic accounting procedures, improving communication & decision making skills, community involvement and team building with local JA advisors and sponsor teacher, etc. THERE are NO tests or exams, required in this ‘**project based**’ course!

DESIGN & ANIMATION 11 (MICTX 11)

DESIGN & ANIMATION 12 (MICTX 12)

Design and Animation is a course in which students express their visual creativity through drawing, storytelling, and other visual mediums. Throughout the course students will explore the international history and evolution of animation. Students will demonstrate creative self-expression as they learn basic drawing skills, techniques for original character design, the natural flow and movement of objects, and background development which includes an in depth study of perspective drawing and layout. Instruction will be given in the following areas: Elements of art and principles of design; graphic design, perspective drawing and layout, historical and cultural development of digital animation, and computer art basics and applications. This course will be project based with a focus on the accumulation of a digital portfolio. **Grade 10 students are welcome to register for this course.**

FILM AND TV 10 (YCCT-0B)

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

FILM & TV 11 (MDFT 11)
FILM & TV 12 (MDFT 12)

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 Mac Lab on editing and special effects in this course. Students will learn how to use Adobe Premier CS3, Flash and Final Cut Express. 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.

YEARBOOK 11 (YCCT-11A) *
YEARBOOK 12 (YCCT-12 A) *

Yearbook is a design class that focuses on graphic layout and design, writing and advertising skills. Students apply their knowledge and expertise of digital media in the production of the school yearbook. Year after year, our book is published through a professional company and is completed using the programs Adobe, In Design and Photoshop. This is a great elective for students who are design-minded and/or interested in getting more involved in their school community. Everyone works together and shares the success of their published book with friends and family which makes all the effort worthwhile.

THIS COURSE WILL RUN YEARLONG.

COMPUTER SCIENCE PRINCIPLES 11 (MICTM11)
COMPUTER SCIENCE PRINCIPLES 12 (MICTM12)

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.

**Grade 12 students interested in pursuing post-secondary in a computers-related field will have the opportunity to develop a portfolio that reflects their interest*

PERFORMING ARTS

DRAMA 10 (MDRM-10)

DRAMA 11 (MTPA-11)

DRAMA 12 (MTPA-12)

Although this course begins to focus on theatre as a performance art, you do not have to be an “actor wannabe” to succeed. Attendance, attitude and effort are as valuable as talent. We will do group and individual scenes and improvisations.

Students will gain skills, knowledge and attitudes necessary to become actors in the theatre.

This means intense work on the actor’s instruments, voice, body and imagination, and can be a worthwhile self-confidence builder for any person.

Students enrolled in this course will perform a play to be produced for an audience. Evening rehearsals and performance times may be required.

FINE ARTS-MUSIC

INSTRUMENTAL MUSIC: JAZZ BAND 10 (MMUJB-10)

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 9 - 12, as well as advanced grade 8 students. This is a 4 credit course that is offered as an “X” block, which means that it occurs 2 times a week, once before school in the morning, and once after school. Rehearsal times will be decided by the members involved to best accommodate everyone’s schedules. 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, flute, 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 an introduction to the set up and basic functions of a sound system. Students interested in only running sound at rehearsals and concerts, and not performing with the band are also welcome to join jazz band for credit.

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.

INSTRUMENTAL MUSIC JAZZ BAND 11 (MIMJB-11)

INSTRUMENTAL MUSIC JAZZ BAND 12 (MIMJB-12)

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 9 - 12, as well as advanced grade 8 students. 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, flute, trumpet, trombone, electric, 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.

INSTRUMENTAL MUSIC: CONCERT BAND 10 (MMUCB-10)

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.

BAND 11 (MIMCB-11)

BAND 12 (MIMCB-12)

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.

BEGINNING GUITAR 10 (MMUGT10-BA)

BEGINNING GUITAR 11 (MIMG-11)

BEGINNING GUITAR 12 (MIMG-12)

Are you interested in learning how to play guitar? Then this course is for you! Beginning Guitar is for those who have never played or have had up to one year of experience on guitar. 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 as well as composing your very own song which will allow for students to understand how a song is built and to be creative.

ADVANCED GUITAR 10 (MMUGT10-AD)

ADVANCED GUITAR 11 (MIMG-11)

ADVANCED GUITAR 12 (MIMG-12)

Advanced Guitar is a course designed for those who already have some solid basics in guitar playing. In this course, students will build advanced techniques onto those basics; as well, they will learn, compose, and perform music for small and large groups, tap into a greater community of guitar enthusiasts and performers, and trace the history and lore of the guitar's journey into the iconic instrument it has become.

MUSIC COMPOSITION AND TECHNOLOGY 11 (MMCT -11)

MUSIC COMPOSITION AND TECHNOLOGY 12 (MMCT-12)

Completion of this course will fulfill both the Applied Skills and Fine Arts requirement. Students will learn how to use technology to reproduce, record, and create music. We use iPads, Macs and PCs to record and create music. Use of microphones, sound boards and other sound equipment is also part of this course. This course will introduce music mixing, creating sound tracks for movies, music notation and more. If you have an interest in playing in a band and record yourselves, this is the course for you! This is a great course for all levels and abilities and for anyone just wanting to explore recording and sound production.

TOUR BAND 10 TO 12 (MMUCM10, MIDS-1E, MIDS-2E)

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 8 to 12 who are enrolled in the concert band at their grade level (Grade 8 Band, Grade 9 Band, 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 Mrs. Ives.

HOME ECONOMICS

TEXTILES 10 (TXT 10)

This course includes further instruction in pattern use and basic sewing construction techniques. Students choose their own patterns to reflect their taste in clothing and their sewing skill.

ADST FOOD STUDIES 10 (MFOODS 10)

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 & NUTRITION 11 (MFDN-11)

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 & NUTRITION 12 (MFDN-12)

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 11 (YVHE-1A)

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

FAMILY STUDIES 11 (MFM--11)

FAMILY STUDIES 12 (MFM--12)

The focus is on early adulthood and course content includes: Life after high school, marriage & family, early childhood, and housing/living arrangements. We also investigate child development and parenting skills. Students take home a computerized baby which simulates the experience of caring for a newborn.

APPLIED DESIGN, SKILLS AND TECHNOLOGIES

YOUTH EXPLORE TRADES SKILLS 10 (MSTX-0A)

YOUTH EXPLORE TRADES SKILLS 11 (MSTX-1A)

YOUTH EXPLORE TRADES SKILLS 12 (MSTX-2A)

2 SEPARATE COURSES AVAILABLE

1. Construction/Carpentry/Plumbing/Electrical
2. Automotive/Metal Fabrication/Welding

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, the automotive industry and the Metalworking/Welding industry.

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.

ADST-ELECTRONIC & ROBOTICS 10 (MTEAR10)

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.

ADST-DRAFTING 10 (MTDRF10) DRAFTING & DESIGN 11 (MDD-11) DRAFTING & DESIGN 12 (MDD-12)

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, fashion, construction and the trades, this course will develop an excellent set of skills for many career and life choices.

ADST-WOODWORK 10 (MWWK-10)

In Woodwork 10, students build on the skills they obtained at the 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.

CARPENTRY & JOINERY 11 (MCJ-11) CARPENTRY & JOINERY 12 (MCJ-12)

In this course students will review safety and then build up to more advanced construction techniques. The feature project is a bedside table that has a drawer and showcases the students fine woodworking skills. Students will gain a further understanding of wood joinery, finishing techniques, and carpentry.

ADST-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 Bikes or a Go Kart.

METAL FABRICATION & MACHINING 11 (MFM 11)

Students will develop a superior level of skills and accuracy in the areas of Machining, Welding, & Fabricating. A recommended project is a Steam Engine.

METAL FABRICATION & MACHINING 12 (MFM 12)

Students will plan, design, and build projects of their choice using skills learned in previous courses.

INTRODUCTION TO WELDING (YIA 11A)

Students learn the fundamentals of welding along with safety concerns and information about the welding trade in B.C. Learning will be based on theory and practical experience. Welding skills will be developed through assigned mandatory projects. If time permits, students may be able to work on personal projects.

METAL FABRICATION & MACHINING 12 (MFMW 12) ADVANCED WELDING

Students learn additional welding skills in oxy-fuel welding, air arc gouging, and arc & wire feed welding. Mandatory projects will develop these skills and, if time permits, students may be able to work on personal projects.

ADST-POWER TECHNOLOGY 10 (MTPOW10) – formerly Mechanics 10

Ever wondered how an engine works? In this course you'll probe the inner workings of a real Briggs & Stratton engine by disassembling it, assembling it, and getting it to run. Principles of engineering and design are explored in the CO2 Car and Catapult Building Competitions. Students also learn the fundamentals of aerodynamics and propulsion through construction of solid fuel-powered rockets. **Students enrolled in Mechanics class, are expected to supply their own coveralls.**

AUTOMOTIVE TECHNOLOGY 11 (MAT 11)

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. **Students enrolled in Mechanics class, are expected to supply their own coveralls.**

AUTOMOTIVE TECHNOLOGY 12 (MAT 12)

Building on Auto. 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. **Students enrolled in Mechanics class, are expected to supply their own coveralls.**

LANGUAGES

FRENCH 10 (MFR 10)

Students build on strategies, vocabulary, and structures already mastered while discussing fashion, advertising, inventions, travel and employment.

FRENCH 11 (MFR-11)

Students further develop communicative skills and strategies through discussion of health & fitness, literature and travel and adventure.

FRENCH 12 (MFR-12)

Students continue to work towards clearer communication in discussing travel study programs in the Francophone world, the arts, and crime and law enforcement.

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.

CARRIER 10 (YAES 10A)

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.

CARRIER 11 (YAES 11A)

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.

CHILCOTIN 10 (YLOE-0A)

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

CHILCOTIN 11 (YAES-1B)

Students will be able to read, write and understand most of the Chilcotin language. They should be able to say orally, in Chilcotin, some short sentences and give directions. They will also continue with traditional lifestyles and some leatherwork.

SHUSWAP 10 (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.

SHUSWAP 11 (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.

OTHER SELECTED STUDIES

PSYCHOLOGY 11 (YPSYC1A)

This course is an introductory course that covers many topics such as: theories and history of psychology, methods of psychology and experiments, the brain, body and how it affects our behavior, sensation and perception, motivation and emotion, consciousness, human development and development and psychological disorders and treatments. This class offers many opportunities for discussions, group work, projects and the use of film to learn this very fascinating material.

ENVIROMENTAL STUDIES 11 (YPLS11A)

ENVIROMENTAL STUDIES 12 (YPLS12A)

Self-directed Inquiry in Environmental studies

Overview

This student driven course allows you to:

- complete a project on a topic you choose
- develop skills useful for post-secondary education and career oriented summer jobs
- choose how you will research and learn about the topic
- connect with mentors in our community that are also experts in their fields
- participate in field work
- choose how to demonstrate your learning (write a paper, make a film, write a children's book, present to other students, run a composting program, change policy)
- achieve 4 credits at a Grade 11-12 level over one or two semesters.
- participate in the September Salmon trip (required for class)

Required from you:

In order to do this successfully you will need to:

- work independently with the guidance of teacher and other mentors
- develop your own work schedule for field work
- make up any class time missed in your other course while doing your field work
- meet 2/month with your teacher to monitor progress & seek support

Relevance

The course has been developed to help students gain knowledge about the rapidly changing world around them while pursuing projects they are interested in and develop skills necessary for being a successful post-secondary student and life-long learner. Students will be encouraged to decipher fact from propaganda, identify how choice can impact the environment in positive or negative ways and explore how they can have a positive impact on the environment.

Structure

The course will be run as an 'open block.' The time for the work on your course will be decided by you and depend on the availability of the people (mentors) you will be working with.

The course will begin with participation in the 3 day Salmon Trip the second week of school in September. This will introduce you to Gavin Lake, the Quesnel River Research Centre, Fisheries and Oceans Canada and the Quesnel River. Here you will be hiking, netting fish, studying invertebrates and working with researchers. This will be your introduction to a number of topics including: watersheds, salmon life cycle anatomy and physiology, ecological foot prints, sustainability and stewardship.

Then you will meet with the teacher for the course to decide how you will learn about and demonstrate your knowledge about: ecological footprints, sustainability, climate-change, current in the news, local and global environmental topics. You and the teacher will work out a schedule to meet and update on progress. When you know the topic(s) you want to study in depth the teacher will match you with a mentor (expert in the field) to guide you and help you develop your "field work."

You may study golden eagles, salmon, moose populations, climate change, waste reduction, water qualities, or something else related to the environment you are interested in (there is a lot of opportunity here for you to pursue something you are interested in)

Assessment

Your achievement in this course will be determined by:

A. ability to demonstrate an understanding and awareness of current environmental issues affecting us locally and globally.

B. completion of an independent study project to be determined in conjunction with your teacher and mentor.

Examples of potential final pieces of work:

- use your research/discoveries to educate others (presentation to students or others, art show, brochure development, newspaper articles, etc.)
- Develop an educational tool like a children's book or a pamphlet
- create policy change at the class, school, municipal or other level,
- installation of a wildlife garden or greening of school grounds,
- demonstration of contributing in a meaningful way to a local environmental organization (Cariboo-Chilcotin Conservation Society, Williams Lake Field Naturalists, Scout Island Nature Centre, Williams Lake Air Quality Round Table, Potato House).

LEADERSHIP 11 (YIPS-11)

LEADERSHIP 12 (YIPS-12)

Prerequisite: Be motivated, prepared to have fun, step outside your comfort zone, and make a difference!

This course is designed to motivate and prepare students to affect positive change in the school, community and the world. 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), conflict resolution, volunteering and peer helping. The 7 Habits of Effective Teens will also be a foundation to the class, allowing for class discussions and reflection. The activities the students will focus on will range from building a positive school culture with theme days, games, and special events to making a difference in our local and global society. Students will challenge the norms, inspire a shared vision, commit to be a positive role model, and enable others to act. Take this course if you want a change, step outside of your comfort zone and learn a lot about yourself and others. You will not regret taking this class if you take it for the right reasons. This course will be offered as an X1 block (possibly mornings) yearlong with alternating spare block.

VINYL GRAPHICS TECHNOLOGY 11 (YIA-11B)

Explore the exciting world of graphic design. Students will use the computer drawing software Adobe Illustrator to create logos and graphics. They can then "print" them out using a vinyl cutter. During the course the student will learn application techniques and different uses of the software and the cut vinyl. Personal creativity is emphasized.

C.O.R.E 10 CONSERVATION & OUTDOOR RECREATION EDUCATION (YLRA-0A)

This is a hunter education course that is open to students in grades 10, 11 and 12, that have an interest in a career in Conservation and environmental related areas. The course focuses on Ethics, Conservation, Laws and Regulations, Survival and First Aid, Animal Identification, Bird Identification, with optional topics of fishing, orienteering, and hiking. Students have the opportunity to achieve the necessary criteria to apply for a hunter number at their own expense.

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.

Gr.10 Français Langue 10	(FRAL10/4 credits)	Prerequisite:	Français Langue 9
Sciences Humaines10	SCH 10 4 credits	Prerequisite:	Sciences Humaines 9
Grade 10 French Elective	Grade 10 4 credits	Elective course	
Gr.11 Français Langue 11	FRAL 11 4 credits	Prerequisite:	Français Langue 10
Sciences Humaines 11	SCH 11 4 credits	Prerequisite:	Sciences Humaines 10
Gr.12 Français Langue 12	FRAL12 4 credits	Prerequisite:	Français Langue 11
Transition vers l'après -secondaire	GTF 4 credits	Prerequisite:	N/A

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.