

***Grade 11 & 12
Course Selection Guide
2026-2027***

***Mount Baker
Secondary
School***



Home of the WILD

Mount Baker Secondary School

Option 1:

Mount Baker Secondary School is the home for approximately 1,000 Grade 10 – 12 students. It is the largest high school in the district. Mount Baker prides itself in offering a large variety of courses and having strong academic programs. It is a dual track school, offering English and French Immersion classes. It is fast paced with 4 classes (semester system) per day. Regular attendance is necessary to be successful at Mount Baker.



Option 2:

Kootenay Educational Services (KES) is an alternate educational setting designed to accommodate the educational, social, and emotional well-being of vulnerable or at-risk students whose needs are not being met in a traditional school environment. KES uses a paper-based, self-paced delivery model with a very high level of one-to-one academic and social/emotional support. KES students are still considered Mount Baker students for graduation, yearbook, sports teams, etc. KES students also have the opportunity to take courses at Mt. Baker, where appropriate. To attend KES, there is an application process for suitability, and there must be agreement and input from student, parent/guardian, school staff, and/or other relevant professionals. Talk to your counsellor or school administration to see if KES could be right for you!



Both schools require the same courses to graduate, offer the same graduation programs, and are equally recognized by Post Secondary Institutions.

GRADUATION REQUIREMENTS

2023 GRADUATION PROGRAM

The 80-credit graduation requirements table

REQUIREMENTS	POSSIBLE COURSES	CREDITS
English Language Arts 10	An approved English Language Arts 10 course	4
English Language Arts 11	An approved English Language Arts 11 course	4
English Language Arts 12	An approved English Language Arts 12 course	4
Social Studies 10	Social Studies 10	4
Social Studies 11 or 12	A Social Studies 11 OR a Social Studies 12	4
Science 10	Science 10	4
Science 11 or 12	A Science 11 OR a Science 12	4
Mathematics 10	Foundations of Math & Pre-Calculus 10, Workplace Math 10	4
Mathematics 11 or 12	Foundations of Math 11, Pre-Calculus 11, Workplace Math 11, Computer Science 11, History of Math 11, Geometry 12, Pre-Calculus 12, Calculus 12, Apprenticeship Math 12, Foundations of Math 12, Statistics 12	4
Physical & Health Education 10	Physical and Health Education 10	4
Arts Education / Applied Design, Skills and Technology	Various choices from Arts Education / Applied Design, Skills and Technology	4
Career Education Courses	Career Life Education 10, Career Life Connections 12	8
TOTAL		52 credits
ELECTIVE COURSES		28 credits
OVERALL TOTAL		80 credits
PROVINCIAL GRADUATION ASSESSMENTS		
Graduation Numeracy Assessment in Grade 10 and the Graduation Literacy Assessments in Grade 10 and Grade 12		Complete
<p>**Of the 80 credits needed for graduation, at least 16 credits MUST be at the Grade 12 level, including a Grade 12 English Language Arts course.</p> <p>**All Ministry-authorized and Board/authority-approved courses count towards the 80 credits.</p> <p>**Career Life Connections can be used to help satisfy the requirement for at least 16 credits at the Grade 12 level.</p> <p>**One 4-credit Indigenous-focused course MUST be taken by Grade 12 and can count towards the 80 credits needed for graduation.</p>		

GRAND TOTAL:

80 CREDITS

Don't forget that post-secondary institutions often require you to complete specific courses to get into certain programs. Careful planning in Grades 10, 11 and 12 will ensure you have all the courses and credits you need.

English Language Arts 11

****All English Language Arts 11 choices have a prerequisite of an English Language Arts 10****

EFP Literary Studies 11 and Spoken Language 11 (MELSL11)

English First Peoples Literary Studies 11 is designed for students who are interested in exploring First Peoples' literature in a variety of contexts, genres, and media. Spoken Language 11 is designed for students who are interested in studying First Peoples' oral traditions and in developing their oral self- expressions and communication in a variety of contexts.

EFP Literary Studies 11 and Writing 11 (MEFLS11)

English First Peoples Literary Studies 11 is designed for students who are interested in exploring First Peoples' literature in a variety of contexts, genres, and media. The writing component allows students to explore a variety of genres and writing forms.

Literary Studies 11 and Composition 11 (MCMPS11)

This course allows students to delve deeply into literature as they explore themes, periods, authors, and areas of the world through literary works. Composition 11 is designed to support students as they refine, clarify, and adjust their written communication through practice and revision. Composition 11 allows students to explore a variety of genres and writing forms, both formal and creative.

Literary Studies 11 and Spoken Language 11 (MSPLG11)

This course allows students to develop their ability to verbally share their own story while examining their own identity. Spoken Language 11 is designed to support students as they refine, clarify, & adjust their spoken communication through practice & revision. Spoken Language 11 is designed to help students develop their oral self- expression & communication in a variety of contexts. Additionally, students will delve deeply into literature as they explore themes, periods, authors, & areas of the world through literary works.



English Language Arts 12

English First Peoples 12 (MENFP12)

Prerequisite: an English Language Arts 11 or an English First Peoples Language Arts 11

With an emphasis on First Peoples' world views, this course is an academic equivalent to English Studies 12.

English Studies 12 (MENST12)

Prerequisite: an English Language Arts 11 or an English First Peoples Language Arts 11

This course attempts to enhance and mature literacy skills and knowledge with particular emphasis on prose, poetry, and composition as preparation for the Grade 12 Literacy Assessment. The novel, short story, non-fiction, and poetry are also studied in depth to expand critical assessment.

Creative Writing 11 (MCTWR11)

Prerequisite: None

Creative Writing 11 is an elective course designed for students who have an interest in, and a flair for, writing. The course allows students to extend their academic and creative writing skills beyond those available in English courses. A disciplined approach to writing, enjoyment of the written word, and a willingness to attempt writing in several different genres are necessary for success in this course.

Creative Writing 12 (MCTWR12)

Prerequisite: None

Creative Writing 12 is an elective course designed for students who have an interest in, and a flair for, writing. The course allows students to extend their academic and creative writing skills beyond those available in English courses. A disciplined approach to writing, enjoyment of the written word, and a willingness to attempt writing in several different genres are necessary for success in this course.

****This course does not meet the LA 12 requirements for the 2023 Grad Program****



Math 11

The Mathematics Department at Mount Baker Secondary School encourages students to consider their future plans when choosing a math course and to consider taking multiple math courses to increase their options for study after high school.

Beginner Chess (YLRA-0A)

****This course does not meet Math Grad Requirements****

Prerequisite: None

This course is meant for students who have never played chess before or who have a very basic understanding of the game. The course will start with the very basics of the game and build into more advanced concepts. There will be a focus on daily in-class play. Students will benefit from the logical, critical, analytical, and creative thinking that chess provides – skills that can be transferred to all subject areas and facets of life. This course will be enjoyable for students of all levels and no prior knowledge of chess is required. Email mark.paron@sd5.bc.ca for more information.

Computer Science 11 (MMACS11)

Prerequisite: None

This course is for students wanting to pursue University or College Computer Studies, Engineering, Business, Data Analyst, Games Developer, and IT Consultant.

Foundations of Mathematics 11 (MFOM-11)

Prerequisite: MFMP-10

This course is for students wanting to pursue non-math/science University programs, Psychology, Sociology, Humanities, Nursing and Teaching.

History of Mathematics 11 (MHOM-11)

Prerequisite: MFMP-10

This course will study the development of math over the centuries, the evolution of number systems and various approaches to mathematics, how mathematicians' curiosity and enjoyment led to the development of many areas of mathematics. This course is suited for students seeking a Math 11 credit without pure Math content, and students interested in taking extra Math credits.

Intermediate Chess 11/12 (YHRA-1A/YHRA-2A)

****This course does not meet Math Grad Requirements****

Prerequisite: Experience playing Chess

This course will focus on a brief history of chess, chess in culture, rules and etiquette, how to read and record chess games, strategy, tactics, opening, middle and endgame theory. This course will explore methods solving chess puzzles and problems. There will be a focus on daily in-class play. Students will benefit from the logical, critical, analytical, and creative thinking that chess provides – skills that can be transferred to all subject areas and facets of life. This course will be enjoyable for students of all levels and no prior knowledge of chess is required. Email mark.paron@sd5.bc.ca for more information.

Pre-Calculus 11 (MPREC11)

Prerequisite: MFMP-10

This course is for students wanting to pursue University Sciences, Mathematics, Engineering, Medicine, most Medical Technician programs, Teaching, and the Electrical Trades.

Workplace Mathematics 11 (MWPM-11)

Prerequisite: MWPM-10

This course is for students wanting to pursue most Trades programs.

Math 12

Mathematics provides students with the opportunity to develop skills in:

- Numeracy
- Logical Thinking
- Problem Solving
- Practical Applications of Math

Apprenticeship Mathematics 12 (MAPPR12)

Prerequisite: MWPM-11

This course is for students wanting to pursue most Trades programs.

Foundations of Mathematics 12 (MFOM-12)

Prerequisite: MFOM-11

This course is for students wanting to pursue non-science University programs, Psychology, Sociology, Humanities, Nursing, and Teaching.

Geometry 12 (MGMT-12)

Prerequisite: MPREC11 or MFOM-11

This course will study geometric proofs, applications of geometry and the use of geometry throughout history. This course is suited for students considering careers in Math and Sciences, especially Engineering and Architecture.

Pre-Calculus 12 (MPREC12)

Prerequisite: MPREC11

This course is for students wanting to pursue University Mathematics, Sciences, Engineering, Medicine, most Medical Technician programs and the Electrical Trades program.

Pre-Calculus 12 and Calculus 12 (linear) (MPREC12/MCALC12)

Prerequisite: MPREC11

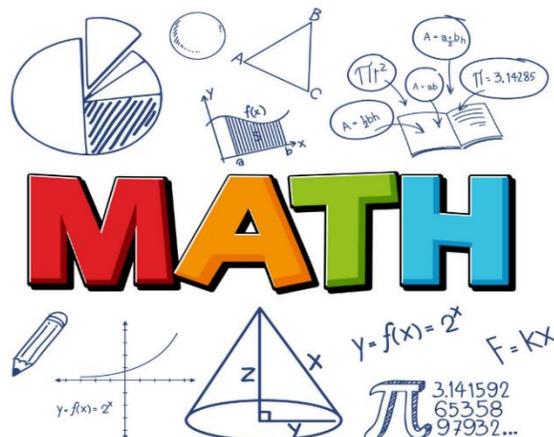
Video Link: <https://youtu.be/tvHe62eEHYg>

This course covers Pre-Calculus 12 and first-year University Calculus topics at most post-secondary institutions. This course is for students wanting to pursue University Sciences, Mathematics, Engineering, Medicine, most Medical Technician programs and the Electrical Trades.

Statistics 12 (MSTAT12)

Prerequisite: MPREC11 or MFOM-11

This course will study methods of gathering, analyzing, and representing data, and using and understanding the results of statistical analysis in society. This course is suited for students considering careers in Math and Sciences, especially Biology as well as Business, Psychology, and the Humanities.



Science 11

Biology 11 (Life Sciences 11) (MLFSC11)

Prerequisite: MSC10

Life Sciences is the study of life. Throughout the course you will study the evolutionary relationships that all life forms share from the simplest to the most complex. We examine cells, DNA, plants, and animals. You will use microscopes, grow bacteria, and of course perform dissections of a variety of animals to learn how life works.

Biochemistry 11 (MLFSC11/MCH—11)

Prerequisite: MSC—10

Biochemistry 11 is a linear 8 credit academic course intended for students planning to take both Chemistry and Life Sciences. Biochemistry seeks to understand the chemical basis for all life processes from a micro to macro perspective. The course involves an introduction to the fundamentals of Organic Chemistry, Nucleic Acids, Cellular Processes, Laboratory Procedures, Scientific Measurement, Microscopy, the evolutionary relationships that all life forms share, and the opportunities to apply these concepts in field work.

Chemistry 11 (MCH11)

Prerequisite: MSC10, Recommended that the student has successfully completed MFMP10

Chemistry 11 is an academic course that is a prerequisite for Chemistry 12, and for many areas of study at post-secondary institutions. Chemistry 11 introduces the student to the many fields of chemistry, including safety, measurement, the mole, stoichiometry, the language of chemistry, the periodic table, and organic chemistry. The student will do many laboratory experiments to develop and reinforce the concepts being presented.

Environmental Science 11 (MEVSC11)

Prerequisite: MSC10

Discover the world around you in Environmental Science 11! This course explores the fascinating & complex relationships within ecosystems, from the smallest organism to the largest biome. You'll investigate how natural processes shape our environment, how human actions impact its sustainability, & – most importantly – how you can contribute to a healthier planet. Environmental science is a dynamic field with diverse career paths in areas like green energy, engineering, urban planning, & ecology.

Physics 11 (MPH11)

Prerequisite: MFMP10 & MSC10, Recommended minimum C+ in MFMP10

Physics 11 is an academic course that focuses on the principles and theories of physics. Physics is an essential course leading to academic studies and career training in the fields of science, technology, and medicine. This course introduces students to a variety of key areas in physics such as kinematics, dynamics, energy, Einstein's Special Theory of Relativity, light, and electricity. Students will do an engineering project and lab experiments to develop and reinforce the concepts being presented.

Science for Citizens 11 (MSCCT11)

Prerequisite: MSC10

This 4-credit course investigates the impact that science has on our employment, our daily lives, and our response to adapt both locally and globally to scientific processes, scientific knowledge, and how we understand science in the world. This course qualifies as a grade 11 science credit towards graduation for students not interested in mainstream Life Science 11, Chemistry 11, or Physics 11.



Science 12

Biology 12 (Anatomy and Physiology 12) (MATPH12)

Prerequisite: MLFSC11 Recommended 60%.

Life processes, cells, tissues, and body systems in humans are the main concerns of Anatomy and Physiology 12. Laboratory exercises investigate the properties of cells, enzymes, blood, and the heart, culminating in an extensive dissection and lab exam of the fetal pig. Anatomy and Physiology 12 prepares students for post-secondary programs that require a biology background.

Chemistry 12 (MCH12)

Prerequisite: MCH11

Chemistry 12 is an academic course for those students who did well in Chemistry 11 and intend to pursue further studies in chemistry or a related field. The course involves a detailed study of reaction rates and energetics, chemical equilibrium, solubility equilibrium, acids and bases, and concepts related to oxidation and reduction. The student will do many lab experiments to develop and reinforce the concepts being presented.

Environmental Science 12 (MEVSC12)

Prerequisite: MEVSC11

Environmental Science 12 is designed for students who want to understand the scientific basis of environmental and climate issues. This course examines local and global ecosystems, focusing on the profound impact of human actions. We'll delve into topics such as: how human activities affect water quality and its ability to sustain life; the causes and consequences of changes in the global climate system; the critical importance of sustainable land use for a growing population; and how living sustainably supports the well-being of individuals, communities, and the Earth. Students will also explore actions they can take to promote environmental stewardship.

Physics 12 (MPH12)

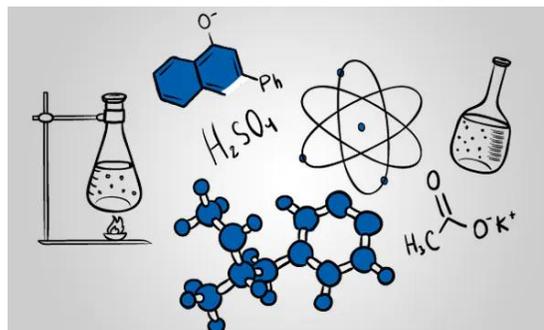
Prerequisite: MPH11

Physics 12 is a rigorous course suitable for students who have a particular interest in physics or who plan to continue in science or engineering. Physics 12 is the study of classical mechanics and electromagnetism and is designed to help students develop analytical and problem-solving skills. Topics studied include two-dimensional analysis of kinematics, dynamics, momentum, equilibrium, and circular motion. Students will also be introduced to the concepts of electricity and magnetism. Strong math skills are essential.

Specialized Science 12

Prerequisite: MSC10

Specialized Science 12 explores the interconnectedness of scientific disciplines, examining key concepts in Biology, Chemistry, Physics, Environmental Science, and Earth Science. This course explores topics such as the complex factors influencing biodiversity, the impacts of climate change, the principles of genetics and evolution, the dynamics of chemical reactions, the laws of energy and motion, and the processes that shape our planet. Students will develop a holistic understanding of the natural world and the scientific principles that govern it.



Socials

Each post-secondary institution/program will accept certain Social Studies courses for entrance requirements. Please check with the post-secondary institution or your counsellor to be sure

20th Century World History 12 (MWH12)

Prerequisite: MSS10

World History 12 is a survey course of world events of the 20th century. We will look at global conflicts (WWI through the Cold War and beyond), social revolutions, independence movements, & human rights developments. Students will analyze and think critically about the impact of these events & where we see history reflected today.

BC First Peoples 12 (MBCFP12)

Prerequisite: MSS10

BC First Peoples 12 explores history, tradition, culture, and the role of oral tradition of our First Peoples in BC. You will examine past, present and future historical changes as well as understand the political policies and practices, such as governance, the treaty process, appropriation, and protocols. This is a course that recognizes the importance of cultural diversities.

Comparative Cultures 12 (MCMCL12)

Video Link: <https://youtu.be/CYR9kfHXAZo>

Prerequisite: MSS10

How did we get to where we are as humans today? This course is a blend of sociology, anthropology, and the history of humanity from our earliest beginnings forward. Students will study civilizations such as Egypt, Greece, Rome, China, and Japan. They will study time periods such as the medieval age and Renaissance. They will focus on how the belief systems, geography, art, and histories of these world civilizations have impacted their culture.

Contemporary Indigenous Studies 12 (MINST12)

Prerequisite: MSS10

The course explores the resistance, resilience, and survival of Indigenous peoples in the face of colonialism. This course also aims to help students understand the reconciliation process and their role in this process. It examines the factors that sustain and challenge the identities and worldview of Indigenous peoples, including the importance of connections to the land. Specifically, this course will explore the contemporary issues of the Truth and Reconciliation commission, Missing and Murdered Indigenous Women and Girls, the 60's scoop, access to clean drinking water, resistance movements, decolonization, treaties, and the ongoing impacts of residential schools. Most importantly this course will focus on working with local Elders from the Ktunaxa Nation and beyond to help students understand Indigenous culture, worldview, and identity.

Explorations in Social Studies 11 (MEPSS11)

Prerequisite: MSS10

This course will allow you to meet the graduation needs for Social Studies. It presents an overview of themes that arise in more detail in the grade 12 offerings at MBSS. It is meant to be a survey course that will cover themes such as History, Geography, Social Justice, & Social Studies topics in the modern world.

Historical Context and Appreciation of Film 12 BA

Prerequisite: None

****This course does not meet Socials Studies Grad Requirements****

This is an elective course for students who like to think about what they watch and how it fits into their worldview. This course will encourage an appreciation of the narrative film form and the understanding that films can be technical, cultural, creative and artifacts of their time and place. By exploring a variety of thematically linked films with a focus on analysis, students will gain an appreciation for artistic choice, intention, and overall meaning. Students will develop critical thinking, written, and oral skills through the careful study and exploration of narrative film.

Socials

Law Studies 12 (MLST12)

Prerequisite: MSS10

Law 12 is an introduction into Canadian law. Students will study criminal law, civil law, family law, and the Youth Criminal Justice Act. This will include discussion of trial procedures, defences, and sentencing. Students will discuss the social and legal impacts of court cases and current events in Canada. Visiting the courthouse to observe trials will enable students to see the law in action.

Philosophy 12 (MPHIL12)

Prerequisite: MSS10

This course is an introduction to general philosophical inquiry. The development of critical thinking, argumentative essay writing, and debating skills will be the main objectives. Through selected readings, both classical and contemporary, the student will explore the great questions that confront the thinking person: What is free will? Does God exist? What is real? Does a tree make a sound when it falls if nobody hears it? What is the nature of good and evil? What is the meaning of life?

As well, current debates on social policy issues such as bioethics, euthanasia, crime and punishment, and universal welfare will be examined. A student must enjoy reading, writing, and debating to succeed in this course.

Physical Geography 12 (MPGEO12)

Video Link: <https://youtu.be/uv7ln3-GzKo>

Prerequisite: MSS10

Through the study of Physical Geography, you will develop an understanding of weather and climate, minerals and rocks, natural disasters, and erosional landscapes. Through this course you will be able to interpret landscapes and understand the processes shaping them. You will also study environmental issues and resource management using real world examples. A great course for those interested in careers in environmental sciences, geology, aviation, forestry, conservation, parks, adventure tourism, and engineering.

Political Studies 12 (MPLST12)

Prerequisite: MSS10

This course focusses on the political world and how you as an informed citizen can influence and make changes. We will focus on Canadian politics and international democratic systems and how political agreements are a compromise of values and traditions.

Social Justice 12 (MSJ12)

Prerequisite: MSS10

This course focuses on unpacking injustice using frameworks that support us in understanding how power, privilege, & oppression all function in our society and the world. Specifically, students will study the impacts and strategies to address racism, sexism, classism, ableism, homophobia, and climate justice, among other forms of oppression. Additionally, we will analyze historical and contemporary social justice issues in Canada and across the globe. We will explore the causes and consequences of events, legislation, and court decisions and how they transform individuals and societies. We will also address how individuals, communities, groups, and countries address issues of injustice, looking at both successes and failures.

Advanced Placement

What are Advanced Placement courses? These courses allow students to take university/college level courses and exams, and potentially earn university/college credit or placement, while still in high school. Each AP course has an exam, administered worldwide in May. Each exam consists of multiple-choice questions and a free response section. The exam is scored on a five-point scale: 5 - extremely well qualified, 4 - well qualified, 3 - qualified, 2 - possibly qualified, & 1 - no recommendation. **Students are responsible for the cost of the exam. (Approx. \$100 US)** University credit will vary depending on your choice of post secondary education.

What are the benefits?

Besides the potential of earning university/college credits while still in high school, there are added benefits to taking Advanced Placement courses. Students learn to challenge themselves, foster critical thinking and inquiry-based lab skill, and develop advanced study habits, while saving money on university/college tuition.

Are Advanced Placement courses right for you?

If you are a highly motivated and curious student with a good grade point average, strong reading and writing skills, and are pursuing post secondary education at a university or college, Advanced Placement courses would be a great fit for your Grade 12 course selections.

Advanced Placement Biology 12 (Anatomy & Physiology 12) (ABIO12)

Prerequisite: MLFSC 11

This eight-credit course focuses on the anatomy & physiology of body systems, along with the four big ideas from the internationally recognized AP Biology course. Using curricular AP science practices, students will explore how the process of evolution drives the diversity and unity of life; how biological systems use energy & molecular building blocks to grow, reproduce, & maintain dynamic homeostasis; how living systems store, retrieve, transmit, and respond to information essential to life processes, & how biological systems interact & exhibit complex properties. In addition to the extensive dissection of the fetal pig, students will design and perform inquiry-based biology experiments as they collect, analyze, and interpret data to draw conclusions and compare their findings to peer reviewed scholarly researched papers. Students will have the opportunity to work with precision biological equipment such as wave-length molecular spectrophotometers, micropipettes, DNA fingerprinting, and more. Students will be given access to the AP Classroom app to review and access their progress throughout the course. For more information about this course, please email Catherine.Fillis@sd5.bc.ca.

Advanced Placement English Language and Composition (AEN12)

Prerequisite: An English Language Arts 11

This survey course, geared towards students who will attend post-secondary, teaches the elements of argument and composition, developing critical reading and writing skills. Texts will include non-fiction works from various periods and students will write essays with different aims; for example, to explain an idea, argue a point or persuade the reader of something. Learned skills will include reading closely, analyzing and interpreting text in addition to evaluating a source of information. Drafting and revising writing that includes evidence-based arguments will also be a focus. Students will have the option of writing the Advanced Placement exam in May which may allow students to receive university credit for an introductory literary analysis course if the exam score is high enough to meet the standard.

****This course does not meet the English Language Arts 12 requirements for the 2023 Grad Program.**

Outdoor Education Programs

Outdoor Ed Program 11: Outdoor Education 11 (MODED11) & CLC 12 (MCLC12)

Prerequisite: CLE 10, good fitness and a positive work ethic

This program (8 credits) combines Outdoor Education 11 and Career Life Connections (CLC) 12. Throughout this program we will practice skills such as navigation, avalanche terrain assessment and rescue skills, winter travel, backcountry camping, climbing indoors and out, environmental restoration, wilderness first aid, solo camping, mountain biking and ethnobotany. You will also further build your communication, teamwork, and leadership skills. This course will help you learn about yourself and develop workplace skills through field-based learning and through mentorship opportunities in outdoor workplaces. No experience or specialized equipment needed (the school has backpacks, skis, snowshoes, tents, sleeping bags available). Students must be willing to learn, challenge themselves, be outside, and work as a team. A good work ethic and attendance record mandatory.

***There is a fee for this course.**

Outdoor Ed Program 12: Outdoor Ed 12 (MODED12) & Physical Geography 12 (MPGEO 12)

Prerequisite: SS10 and some outdoor experience, good fitness and a positive work ethic

This is an advanced outdoor education program in which students further develop outdoor and leadership skills while completing the academic outcomes of Physical Geography 12. This course is well suited for students passionate about the outdoors and exploration and who may be interested in pursuing a career with a field component, such as adventure or eco-tourism, teaching, forestry, parks, conservation, research, or resource management. Example topics and trips: hiking and backpacking to explore topics in geology, glaciology, and resource management, indoor and outdoor climbing, environmental education, and restoration, learning about local and global freshwater issues, avalanche safety skills and meteorology, cross country skiing and expedition planning.

***There is a fee for this course.**

Contact leigh.cormier@sd5.bc.ca for more information about these courses.



Physical and Health Education

Physical and Health Education Video Link: <https://youtu.be/hEPRjAvikk8>

Active Living 11 (MACLV11)

Prerequisite: MPHED10

This popular course provides students with a new experience in Physical Education. Students and teachers work together to design a program that includes a wide range of activities and a high level of participation. Students can expect to achieve personal goals in fitness development, improve leadership skills, expand their knowledge of individual and team sports, be challenged, and have fun. Students must have suitable clothing for all activities. Students may be required to contribute to travel for community activity expenses.

Active Living 12 (MACLV12)

Prerequisite: MACLV11 or MFTCD11

Students in this course will be exposed to many leisure activities with lifelong values. Activities include design and execution of fitness programs, variations of outdoor sports (soccer, football, softball, rugby, golf, skiing, cycling, jogging, tennis, field lacrosse) and indoor sports (curling, bowling, broomball, volleyball, swimming, basketball).

Fitness and Conditioning 11/12 (MFTCD11/MFTCD12)

Prerequisite: MPHED10/MFTCD11 or MACLV11/12

This course is designed to give students the opportunity to learn fitness concepts and conditioning techniques used for obtaining optimal physical fitness. Students will benefit from comprehensive weight training and cardiorespiratory endurance activities. Students will learn the fundamentals of strength training, aerobic training, high intensity interval training, and overall fitness training and conditioning. Students will be empowered to make wise choices, meet challenges, and develop positive behaviours in fitness, wellness, and movement activity for a lifetime. Students will develop individual goals based on what they would like to improve upon. Some of the topics covered include nutrition, weight training, strength training, endurance training, sport specific training, circuit training, and speed and agility training. This course is suitable for a wide range of students; from those new to fitness and conditioning, to those with considerable experience. Students enrolled in this course must attend regularly due to the performance-based nature of this course.

Fitness and Conditioning – Girls Only 11/12 (MFTCD12)

Prerequisite: MPHED10/MFTCD11 or MACLV11/12

This course is designed to give students the opportunity to learn fitness concepts and conditioning techniques used for obtaining optimal physical fitness. Students will benefit from comprehensive weight training and cardiorespiratory endurance activities. Students will learn the fundamentals of strength training, aerobic training, high intensity interval training, and overall fitness training and conditioning. Students will be empowered to make wise choices, meet challenges, and develop positive behaviours in fitness, wellness, and movement activity for a lifetime. Students will develop individual goals based on what they would like to improve upon. Some of the topics covered include nutrition, weight training, strength training, endurance training, sport specific training, circuit training, and speed and agility training. This course is suitable for a wide range of students; from those new to fitness and conditioning, to those with considerable experience. Students enrolled in this course must attend regularly due to the performance-based nature of this course.

Physical and Health Education

Studio Sports 11/12 (MACLV11---SS/MACLV12---SS)

Prerequisite: None

****This course does not meet PHED10 Grad Requirements****

****full-year, outside the timetable****

The Studio Sports course offers students a unique opportunity to explore a variety of fitness disciplines, including Spin, Yoga, Pilates, and Ballet Barre. It is held weekly outside the regular timetable, on Wednesdays after school hours. This year-long course will take place in the Aux Gym studio space and at The Studio in Western Financial Place. Studio Sports provides students with a well-rounded experience in Physical Education, focusing on building awareness of self, body, and mind. By engaging in these disciplines, students will gain valuable insights into how physical fitness can enhance their overall wellness journey, offering benefits such as improved flexibility, strength, mindfulness, and cardiovascular health. Regular participation is essential for success and to truly experience the positive impact of these practices. Students are required to wear suitable clothing for movement. A course fee is attached to this course to cover the necessary materials and facility rental. This is a fantastic opportunity for students to diversify their fitness routine and discover these disciplines' numerous benefits.

Why it makes sense to take a P.E. course:

- Take a stress free break from your heavy academic schedule.
- Develop a high level of fitness in preparation for physically demanding careers such as firefighting, law enforcement, Canadian Forces, forestry technology, etc.
- Explore the fast growing careers of Physical Education, Adventure Recreation, Sports Management, Coaching, Personal Fitness Trainer.
- Focus on career choices and develop skills required in specific areas of study and work.
- Fulfills the requirement for DPA.

Arts Education / Applied Design, Skills, & Technology

Students require 4 credits of Arts Education OR 4 credits of Applied Design, Skills & Technology

Ministry Authorized 4 Credit Arts Education Courses

MUSIC

Choral Music: Concert Choir 10, 11, 12
Choral Music: Vocal Jazz 10, 11, 12
Composition and Production 11, 12
Instrumental Music: Concert Band 10, 11, 12
Instrumental Music: Guitar 10, 11, 12
Instrumental Music: Jazz Band 10, 11, 12

THEATRE

Drama 10, 11, 12
Film and Television 11, 12
Musical Theatre 10, 11, 12
Musical Theatre: Movie Studio 10, 11, 12
Puppetry 10, 11, 12
Theatre Company 10, 11, 12
Theatre Production 10,11, 12

ART, GRAPHICS, AND LIFE SKILLS

Art Studio 10, 11, 12
Media Arts 10, 11, 12
Photography 11, 12

Ministry Authorized 4 Credit Applied Design, Skills & Technology Courses

COMPUTER STUDIES

Computer Information Systems 11, 12
Computer Programming 11, 12

HOME ECONOMICS

Child Development and Caregiving 12
Food Studies 10, 11, 12
Teen Development and Caregiving 12

TECHNOLOGY EDUCATION

Architecture & Engineering 12
Art Metal & Jewellery 12
Drafting & Design 11
Electronics 11, 12
Furniture and Cabinetry 12
Industrial Coding & Design 12
Metalwork 11, 12
Power Technology 10
Robotics 11, 12
Trade Sampler 12
Train: Train in Trades 12
Woodwork 11, 12
Work Experience 12
Youth Work in Trades 11, 12

BUSINESS EDUCATION

Accounting 11, 12
Business Computer Applications 12
Entrepreneurship and Marketing 10
Entrepreneurship 12
Marketing and Promotion 11

Arts Education / Applied Design, Skills, & Technology

MUSIC

Mount Baker provides a well established, dynamic, and rigorous music program. Courses are offered in Concert Band, Jazz Band, Instrumental Music, Concert Choir, Vocal Jazz, and Composition and Production. Several courses are offered outside of the regular timetable. Attendance at all rehearsals and performances is mandatory. The expected home practice time for each course ranges from 1.5 to 3 hours a week. Not all courses require previous music experience.

Music Courses Video Link: <https://youtu.be/3fDqQ4gGQuY>

Choral Music 11: Concert Choir (MCMCC11)

Prerequisite: None, Course Length: All Year (Wednesdays—3:30-5:00 pm)

Concert Choir is a course that provides voice instruction and choral ensemble skills to all students, regardless of previous musical experience. Grade 10, 11, and 12 students form the Mount Baker Concert Choir.

Elements of the course include:

1. Vocal technique and tone production.
2. Posture, breathing, and range development.
3. Ear training, harmony singing, and sight singing.
4. Ensemble and solo skill building.
5. Performance of various styles and genres of vocal repertoire.
6. Studio and live recording sessions.

Choral Music 12: Concert Choir (MCMCC12)

Prerequisite: none, Course Length: All year, Wednesdays, 3:30 - 5:00 PM

Concert Choir 12 is similar to Concert Choir 11, but it provides a greater degree of focus for the vocal student, with an added element of solo work, leadership roles, and mentorship within the ensemble. Students in Concert Choir 12 will be expected to assist in planning the logistics and management of performances and productions and supervising stage crew and show running.

Choral Music 11/12 Vocal Jazz (MCMVJ11), (MCMVJ12)

Prerequisite: Concert Choir 10, Concert Choir 11, Vocal Jazz 11. By audition only.

Vocal Jazz 11/12 is designed for serious vocal students interested in studying more challenging repertoire in the rock, jazz, funk, swing, & pop styles. Music reading ability is recommended. Lessons will be directed more toward microphone technique, tone production, & ear training. Students will work with theory, arranging, & chord reading. The course also offers credit for instrumental musicians. Places for piano, electric guitar, bass, & drums will be available for audition. **Students taking Vocal Jazz must also be enrolled in Concert Choir**

Instrumental Music 11: Concert Band (MIMCB11), 12 (MIMCB12)

Prerequisite: MMUCB10 or permission of music director. All Year (Mon & Fri, 3:30-5:00 pm)

This course is a combined class of Grade 11/12 Concert Band & forms the Mount Baker Senior Concert Band. This course further develops the progression from Concert Band 10 at an advanced level. There will be a focus on solo work, small ensemble playing, & a greater quantity of public performance & recording work. Students in Concert Band 12 will be able to assist in planning the logistics and management of performances and productions, as well as supervise stage crews and show running. Concert Band 12 students will also have a focus on leadership roles & work as mentors in the ensemble. **Students must be enrolled in Concert Band to be permitted to audition for Jazz Band courses**

Arts Education / Applied Design, Skills, & Technology

MUSIC

Instrumental Music: Guitar 11 (MIMG11), Guitar 12 (MIMG12)

Prerequisite: None, Course Length: Semester

Guitar 11 and 12 are introductory level guitar courses. They offer interested students the opportunity to learn and practice the skills and techniques involved in playing songs they love. Chord playing (open and arpeggiated), single note playing, picking, fingering, strumming, and hand positions are covered. Single line melody reading, tablature, note articulation techniques, barre chording, music scales, and playing techniques are also introduced.

Instrumental Music 11: Jazz Band (MIMJB11)

Prerequisite: MMUCB10. Admitted by audition only. All year (Tues & Thurs @ 7:30 am)

This course offers the student the opportunity to study challenging music in the jazz, funk, Latin, and rock genres. Students will work with theory, chord reading, and arranging original material. There is a significant emphasis on sectional work, improvisation, and soloing. This class combines with Grade 12 Jazz Band students to form the Mount Baker Jazz Band. Students taking Jazz Band must also be enrolled in Concert Band.

Instrumental Music 12: Jazz Band (MIMJB12)

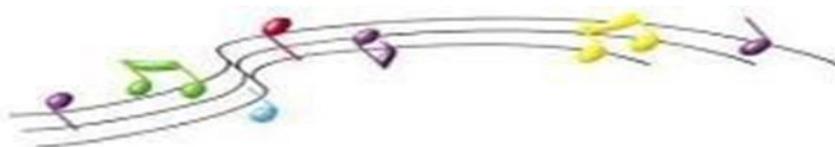
Prerequisite: MIMJB11, Admitted by audition only. All year (Tues & Thurs @ 7:30 am)

Jazz 12 is similar to Jazz 11, only with more emphasis on soloing and advanced study of technique and theory. Opportunities will be made available to individual students to compose, arrange, and direct original material. The members of this class combine with Grade 11 Jazz Band students to form the Mount Baker Jazz Band. Students taking Jazz Band must also be enrolled in Concert Band.

Music Composition and Production 11/12 (MMUCP11/12)

Prerequisite: MCP11: None, MCP12: Course Completion of MCP11

Students will learn the basics of creating their own original music using the latest in MIDI and digital audio sequencing software and recording gear. Instruction includes lessons involving basic music theory, form, and harmony in a wide variety of musical genres, as well as training in live and studio recording techniques. Learning is based on solo and team-based projects, with each student producing one original composition that will be copyright registered and released on all major streaming platforms. The work will also be featured on a class compilation album under the program's own production label, Orange Door Studios. Students can take the course in Semester 1 or Semester 2 regardless of grade. Students who have completed the course at the 11 level can enroll a second time as MCP 12 students. These students will continue at an advanced level, producing a greater number of projects on an individual basis or in collaboration with others. There will be opportunities to work with visiting artists providing live sound and recording services. MCP 12 students will also play a role in mentoring students in the introductory course and will have the opportunity to produce their own EP under the studio label. **Basic note or chord reading skills and rudimentary instrument playing ability are requirements.** Over-ear headphones and a USB drive are necessary equipment for each student.



Arts Education / Applied Design, Skills, & Technology

ART, GRAPHICS, AND LIFE SKILLS

Art Studio 11 (MVA11)

Prerequisite: None – Recommended MVA10

This is a comprehensive course designed to facilitate a broad range of experiences in 2-D and 3-D visual arts. Students will build upon previous learning in Visual Arts 10 by creating and responding to a variety of 2-D and 3-D images. It includes both traditional and contemporary 2-D and 3-D media, such as drawing, painting, ceramics, sculpture, printmaking, and design.

Art Studio 12 (MVA12)

Prerequisite: MVA11

This comprehensive course is designed to facilitate students who desire a general yet broad range of experiences in 2-D and 3-D visual arts. Students will build upon previous learning in Art Foundations 11. It includes both traditional and contemporary 2-D and 3-D media, drawing, painting, ceramics, sculpture, print making and design.

Media Arts 11 (MVA11), Media Arts 12 (MVA12)

Prerequisite: MVA11 for MVA12 **Video Link: <https://youtu.be/r4dd7-ga9tA>**

These art education courses will provide students with opportunities to develop the knowledge, skills, and attitudes needed to respond to media artworks and create art using media arts technology. These courses include silk screening, computer technologies, digital imaging, and animation as well as traditional art.

Nature-Based Wellness 11 BA

****outside the timetable****

Prerequisite: None

This course focuses on after-school immersive experiences in local forests and natural landscapes with some lunchtime debriefing sessions at the school. Through a mix of viewpoint hikes; fun activities; and quiet, focused time in nature, students will discover how outdoor activities can clear the mind and facilitate self-care. The course covers environmental stewardship, connection to the land, knowledge of local plants and animals, and a personalized plan for overall wellness--nurturing both mind and body. Regardless of your current activity level in the forest, all students will have something to take away. Please note that students will need to arrange rides to trailheads in and within 5 minutes of Cranbrook.

Photography 11 (MVA11)

Video Link: <https://youtu.be/UfKslPFIZvA>

Prerequisite: None

Students will examine the art of Photography. Through a variety of activities and assignments, students will develop an understanding of creativity, and traditional and digital photography. They will learn how to use 35 mm and digital cameras, develop negatives and photographs, download, and manipulate images and create a portfolio presentation. Students will be using their own cell phones, but cameras can be provided upon request. Previous art experience is an asset.



Arts Education / Applied Design, Skills, & Technology

ART, GRAPHICS, AND LIFE SKILLS

Photography 12 (MVAPH12)

Video Link: <https://youtu.be/UfKslPFIZvA>

Prerequisite: MVAPH11

Students will learn to understand photography as an art form, develop a deeper understanding of camera controls, traditional photography, and digital imaging. Students will use advanced techniques to create different effects using 35 mm and digital cameras, while they develop a portfolio of their images. Cameras will be provided, but students may be allowed to use their own. Previous art experience is an asset.

Yearbook 11 BA (YCCT-1A), 12 BA (YCCT-2A)

Prerequisite: YCCT-1A for YCCT-2A

Video Link: <https://youtu.be/i6T3R7K4Cgs>

This course will introduce students to the world of book creation and publishing. The primary goal of this class is to produce the school yearbook. **The course is a year-long program that runs outside the timetable during lunch or after school depending on student needs.** Page building online from home may be possible. Students must be able to work independently and meet deadlines. Depending on registration numbers, students may be required to be photographers, writers, and layout artists. Extra support for students working outside their comfort level will be provided through peer mentoring and/or teacher assistance. Areas covered in Yearbook include theme selection and incorporation; development and application of good design; colour purpose, selection and usage; photography skill development and editing practices; people skills and team development; and publication program navigation and usage. Besides the yearbook production, Yearbook 12 offers interested students increased responsibility, mentoring opportunities and the Editor's position. Cameras will be provided, but students may be allowed to use their own. Previous art or photography experience is an asset.

Yoga and Mindfulness 12 BA (YHRA-2A)

Prerequisite: None

Yoga and Mindfulness 12 is designed to provide students with the tools necessary to develop a healthier and happier lifestyle. Students will experience various styles of yoga (two times a week) in a safe, supportive, non-competitive environment while improving muscle tone, strength, flexibility, balance, concentration and breathing techniques. While focusing on the physical benefits of yoga, students will explore the mental and emotional benefits of yoga (three times a week in a classroom setting). Through a supportive regular yoga class (movement and theory), students will recognize how a body reacts to stress and how to manage the demands of stress – which will assist students in making responsible personal choices and decisions.

Although this is an elective class, this course demands strong self-discipline: consistent attendance, homework completion, time management, and participation are required for success.

Arts Education / Applied Design, Skills, & Technology

THEATRE

Through participation in the rehearsal and performance process, students gain confidence and a sense of commitment. Theatre and film courses equip students for further study in stage performance, technical theatre, and film production, but also teach skills that are highly sought in today's business markets, such as teamwork, communication, and leadership. Classroom courses focus on skill building and company courses focus on public performance.

Drama 11(MDRM11)

Video Link: <https://youtu.be/kLEqKNSjLOk>

Prerequisite: Must be in grade 11 or 12

Drama 11 includes improvisational skill development, knowledge of theatre related careers, acting from scripts and confidence building activities. Students will perform for an audience and learn basic tech support for productions. Presentation and communication skills learned are applicable to any profession.

Drama 12 (MDRM12)

Video Link: <https://youtu.be/kLEqKNSjLOk>

Prerequisite: MDRM11

Drama 12 is a text heavy course which builds upon skills covered in Drama 11. Students perform scenes from plays as well as go further in depth with role playing, characterization and a fun look at theatre history from ancient Greek ceremonies to contemporary theatre.

Film and Television 11 (MDFT11)

Video Link: <https://youtu.be/qsUIN057RU0>

Prerequisite: Must be in grade 11 or 12

Film and Television 11 is an introductory course in which students will become comfortable with all aspects of digital filmmaking including acting, directing, sound production, camera work and script writing. At the end of the course, students will be expected to produce a short narrative film.

Film and Television 12 (MDFT12)

Video Link: <https://youtu.be/qsUIN057RU0>

Prerequisite: MDFT11

Building on skills learned in Film and Television 11, students will increase knowledge of camera use, sound production, acting and directing and specialize in a desired genre or form of filmmaking or television production.

Film and Television: Movie Studio 11/12

****Outside the timetable****

Prerequisite: MDFT 11 an asset, Interview

Video Link:

An out-of-timetable Film and Television course where we make a movie! Casting, shooting, editing, makeup, costumes, set decoration, promoting . . . all of it! Students will have the opportunity to take on a variety of roles depending on their skill set. The course begins in September and runs throughout the year. The schedule will be set in September. Mrs. Hamilton will write and direct. **Must be reliable and able to take direction.**



Arts Education / Applied Design, Skills, & Technology

THEATRE

Musical Theatre 11/12 (MMUTH11/MMUTH12)

Prerequisite: Audition

Outside the timetable

Video Link: <https://youtu.be/fgomGLgQXGA>

Rehearse and perform in a main stage musical for Mount Baker Wild Theatre. At the Grade 12 level, leadership and mentorship of younger company members is expected.

Puppetry 11/12: The Art of Puppeteering

Prerequisite: None

Dive into the world of puppetry with this course. Following the BC Drama Theatre Production curriculum, this course explores the captivating art of bringing puppets to life through creation, performance, and storytelling. Learn the origins and evolution of puppetry across various cultures and discover different types of puppets, including hand puppets, shadow puppets, and rod puppets. Create your own puppets using a variety of materials and techniques, hone puppet manipulation to convey emotions and narratives, develop scripts and storylines tailored for puppetry, and collaborate on group projects to stage puppetry performances.

Theatre Company 11 (MDRTC11)

Prerequisite: Audition

Outside the timetable

Video Link: <https://youtu.be/FLEf9vQLq5g>

Rehearse and perform in a main stage play for Mount Baker Wild Theatre.

Theatre Company 12 (MDRTC12)

Prerequisite: Audition

Outside the timetable

Video Link: <https://youtu.be/FLEf9vQLq5g>

Rehearse and perform in a main stage play for Mount Baker Wild Theatre. At the Grade 12 level, leadership and mentorship of younger company members is expected.

Theatre Production 11 (MDRTP11)

Prerequisite: None

Outside the timetable

Video Link: <https://youtu.be/GS8l2Slla6g>

Theatre Production 11 is an overview of all elements related to live theatre productions. It is hands-on work in lighting, sound, props, costumes, advertising, tool safety, make-up, production design and painting techniques. Students get first-hand practical experience working on stage productions.

Theatre Production 12 (MDRTP12)

Prerequisite: MDRTP11

Outside the timetable

Video Link: <https://youtu.be/GS8l2Slla6g>

This course is designed for students with an awareness of safe tool handling and some artistic ability. Completing Theatre Production 11 is encouraged for entry to this course. We meet in the evenings twice per week to build the sets and work on all staging elements for our major productions. The course runs year long and culminates with the spring show. Students work back-stage and help design the sets, lighting, make-up, costumes, advertising, and props for productions.



Arts Education / Applied Design, Skills, & Technology

TECHNOLOGY EDUCATION

Art Metal and Jewellery 12 (MTAMJ12)

Video Link: <https://youtu.be/I0oiy18aO-4>

Prerequisite: None

This is an introductory course open to students from grades 10 to 12 who love the idea of designing and creating jewellery and artistic metalwork. Students will learn the safe use of metalworking hand and power tools, and techniques such as etching, soldering, welding, brazing, forging, and casting. ****Additional fees may apply to this course.***

Drafting & Design 11 (MTDRF11) – (Level 1)

Prerequisite: None

This project-based course introduces the design cycle: research and ideation, prototyping, testing and refinement, client presentation, and reflection. Students develop practical drafting and modeling skills used in manufacturing and design trades. Emphasis is placed on producing accurate technical drawings and functional prototypes while communicating design intent to clients and collaborators. By the end of the course, students will be able to:

- Read, interpret, and produce technical drawings (isometric and orthographic views)
- Apply proper dimensioning so parts can be manufactured to specification.
- Create realistic 3D sketches using isometric and oblique projection techniques.
- Build digital 3D models using SketchUp.
- Operate slicer software (Cura, Bambu) and 3D printers to produce physical prototypes.
- Use AI-assisted image-editing tools to develop concept boards.
- Present design concepts and defend design decisions to clients.

Ideal for students pursuing trades, engineering, or industrial design — and for anyone who enjoys hands-on tinkering and creative problem-solving. For a more technical course focused on building science and residential architecture, consider Architecture and Engineering 12.

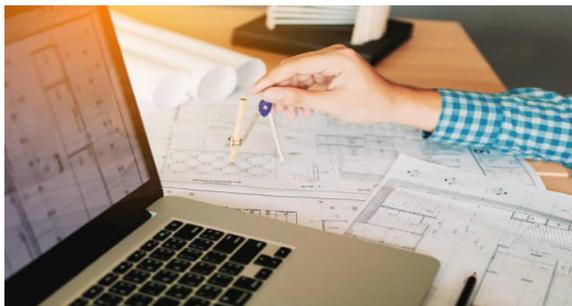
Architecture & Engineering 12 (MTDRF12) – (Level 2)

Prerequisite: Drafting & Design 11 (Level 1)

This course incorporates engineering principles (like truss versus beam), building science (such as passive solar design), and advanced 3D modelling software (Revit) into the design process. It emphasizes residential architecture. By the end of the course, students will be able to:

- Read and create technical architectural plan sets (e.g., elevations and floorplans)
- Draw realistic 3D sketches (2-point perspective)
- Model 3D objects (Sketchup software)
- Print 3D objects (Cura and Bambu software, 3 different printers)
- Use laser cutter to build prototypes
- Render a design concept (realistic image generation)

This course is ideal for students interested in architecture and engineering – and trades people heading towards general contracting and project management. For a less technical course focused on a variety of design areas consider Drafting and Design 11.



Arts Education / Applied Design, Skills, & Technology

TECHNOLOGY EDUCATION

Electronics 11 (MTELE11)

Video Link: <https://youtu.be/ha-WWkwWQ0I>

Prerequisite: None

This is a foundation course which teaches students the basics of electricity and electronics. Using a hands-on approach, students explore the use of common electronic components, develop skills in the design and production of printed circuit boards and learn how to calculate and measure voltage, current and resistance in DC circuits. ****Additional fees may apply to this course.***

Electronics 12 (MTELE12)

Video Link: <https://youtu.be/ha-WWkwWQ0I>

Prerequisite: MTELE11

This course builds upon Electronics 11 with more complex circuitry and projects. It involves advanced analog and digital systems as well as basic micro-controllers and an introduction to robotics. In addition, there is a unit on house wiring where students will learn to wire common circuits used in modern homes. The knowledge and skills gained could lead to a challenging career or serve as a basis for a lifelong hobby.

****Additional fees may apply to this course.***

Industrial Coding and Design 12 (MTICD12)

Prerequisite: Teacher recommendation

Industrial Coding and Design 12 builds on basic concepts developed in Drafting 11 and 12. Students who enjoy independent learning, creative designing and problem solving will be attracted to this option. Students will expand their 3D architectural and mechanical modelling and animation skills using industry-standard software. Students will also learn different processes for converting 3D model files into code for machine processing and will realize their designs using CNC and 3D printers. Activities in this area would effectively support a portfolio application for entrance into post-secondary.

Metalwork 11 (MTMET11)

Video link: <https://youtu.be/nAQXjmj6coo>

Prerequisite: None

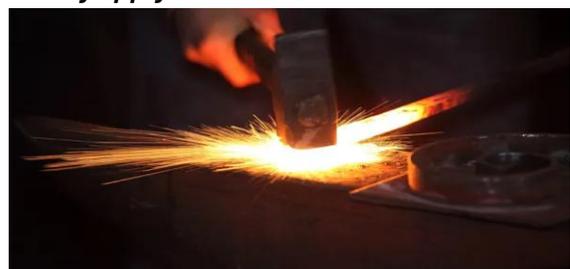
This class uses hand and power tools that are required for working with metal. Safety and productivity are stressed throughout the program. The students will learn layout, cutting, drilling, grinding, welding, sheet metal, milling, lathe work, and forging. Students will complete several projects as a class and then have time to complete projects of their own choice. Projects include sport/ hobby/automotive accessories, small furniture items and tools. ****Additional fees may apply to this course.***

Metalwork 12 (MTMET12)

Video link: <https://youtu.be/nAQXjmj6coo>

Prerequisite: MTMET11

This course builds on the skills learned in MMFM 11. This course teaches advanced hand and power tool use required for working with metal. Safety and productivity are stressed throughout the program. Students will learn about a variety of areas in metalworking. These include layout, designing, estimating, cutting, drilling, grinding, welding, sheet metal, lathe work, milling, forging, casting, and shop maintenance. Students must complete several class projects of their design and construction. Projects include sport/hobby/automotive accessories/small furniture items and tools. ****Additional fees may apply to this course.***



Arts Education / Applied Design, Skills, & Technology

TECHNOLOGY EDUCATION

Robotics 11 (MTROB11)

Video Link: <https://youtu.be/ha-WWkwWQ0I>

Prerequisite: None

This course uses the Lego Mindstorms system to teach students to design and build a variety of task specific robots. Students will learn how to build remotely controlled and autonomous wheeled, tracked, and multi-legged mobile robots and to program them to interface with different electronic sensors and motors. The lectures will focus on motors, sensors, and control.

Robotics 12 (MTROB12)

Video Link: <https://youtu.be/ha-WWkwWQ0I>

Prerequisite: MTROB11

This course builds on the skills and knowledge gained in Robotics 11 and enables students to build more complex robotics systems. Because students will be expected to work somewhat independently, a certain degree of self-direction is necessary for success in this course.

Woodwork 11 (MWWK11) – (Level 1)

Video Link: <https://youtu.be/tJUVHeGelek>

Prerequisite: None

Designed for Grade 10, 11, and 12 students, this course offers skills for those who may or may not have woodworking experience. Students will learn the safe use of all machines, to read and develop plans, as well as build modern and traditional furniture. Building your skills and confidence during this course will help you with more advanced woodworking classes. ****Additional fees may apply to this course.***

Woodwork 12 (MWWK12) – (Level 2)

Video Link: <https://youtu.be/tJUVHeGelek>

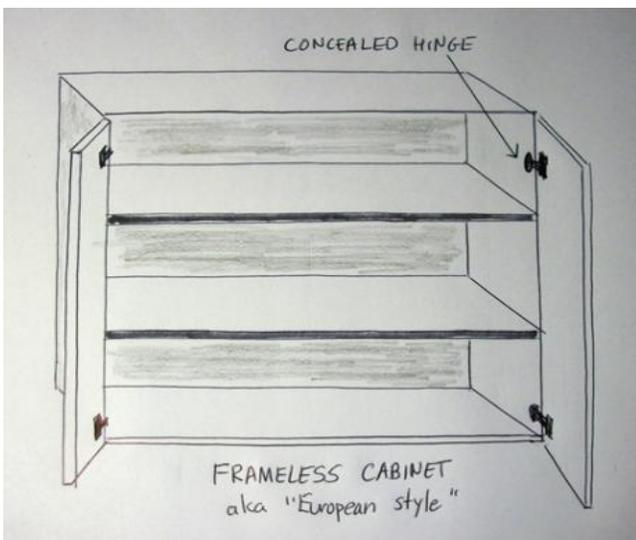
Prerequisite: Woodwork 11 (Level 1)

This course offers skills that build on the skills and knowledge that students have learned in Woodwork 11 and prepares students for the Furniture and Cabinetry 12 (Level 3) course. ****Additional fees may apply to this course.***

Woodwork - Furniture and Cabinetry 12 (MTFAC12) – (Level 3)

Prerequisite: MWWK11

In this class students will learn advanced joinery and modern cabinet methods. A great class for those who want to build their own projects. Students have the opportunity to use all the specialty tools one last time before graduation to make something great! ****Additional fees may apply to this course.***



Arts Education / Applied Design, Skills, & Technology

HOME ECONOMICS

Child Development and Caregiving 12 (MCDAC12)

Prerequisite: None

This course provides invaluable information on topics surrounding pregnancy and childbirth. It will also provide details on child development from birth to age 12, as well as how to care for babies and children in each stage of development. Other topics include getting ready for a baby, family dynamics, childcare options, and safety, as well as parental rights and responsibilities. This is an excellent course for those considering careers involving children, including healthcare, teaching, childcare, and recreation. It is also a good course for those who want to understand more about their own development, or who plan to eventually become a parent in the future. This Grade 12 course is also open to Grade 10 and 11 students who are interested in this topic. This is a participatory course, whereby assessment includes individual work, partner work, assignments, place-based learning, and project-based learning.

Teen Development and Caregiving 12 (YED12)

Prerequisite: Child Development is an asset

This course that explores the physical, cognitive, emotional, and social changes that occur during the teenage years (ages 13–19). Students examine how identity, relationships, culture, family, community, and technology shape adolescent development, while learning practical skills related to communication, mental health awareness, conflict resolution, leadership, and life planning. This course helps students better understand themselves and their peers, build resilience, and develop strategies for healthy decision-making and positive relationships. Ideal for those interested in careers in education, psychology, healthcare, social work, counseling, coaching, or youth services, it is also valuable for anyone who wants deeper insight into the teenage experience and the role of caregiving and mentorship in supporting wellbeing. Learning is interactive and participatory, with assessment based on individual work, collaborative activities, discussions, and project-based learning experiences.

Food Studies 11 (MFOOD11)

Prerequisite: None

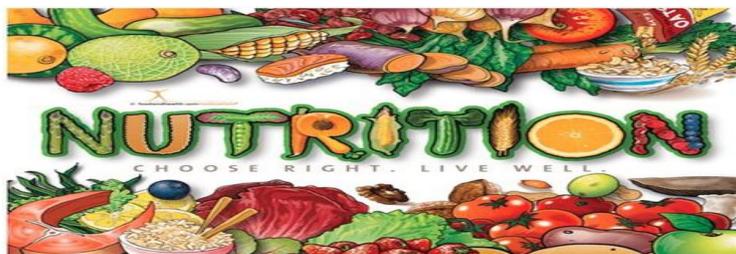
Food Studies 11 is an entry level course in which students will be challenged with preparation techniques and theory. This course will be both fun and hard work. If you enjoy eating, being creative, working with your hands and want a relevant, practical, and career-oriented course, this is the one for you! Opportunities to assist in catering group functions and obtain Food Safe Level 1 Certificate may be provided outside of regular class time.

****Additional fees may apply to this course.***

Food Studies 12 (MFOOD12)

Prerequisite: MFOOD11 Recommended 60%

This is an advanced Food Studies course designed for hard working students with a love of food preparation. The course includes advanced techniques, new technologies, development of criteria for product and self assessment, development of original recipes, employing aesthetics, versatility, creativity, and quality in food preparation, working with nutrition challenges and the practical application of preparing food for large and small groups. Students considering a work experience in Food Studies should aim to complete Food Studies 12 by semester 1 of their Grade 12 year. ****Additional fees may apply to this course.***



Arts Education / Applied Design, Skills, & Technology

BUSINESS EDUCATION

The aim of Business Education is to equip students with skills that will enable them to be successful in the business community. These courses teach practical lifelong skills needed by every student. Students interested in pursuing post-secondary education in Commerce or Business Administration are encouraged to take some of the course offerings in this department.

Accounting 11 (MAC11)

Video Link: <https://youtu.be/-Tkxaeg8Yyk>

Prerequisite: None

The Accounting course provides students with practical and valuable skills needed for lifelong financial decision making. The double-entry system and completion of the accounting cycle are integrated with use of the Excel spreadsheet computer program. Upon completion of the course, students can close out books & prepare balance sheets & income statements. A unit on income tax preparation is also covered through the CCRA Teaching Taxes program. Students will acquire practical and transferrable skills.

Accounting 12 (MACC12)

Video Link: <https://youtu.be/-Tkxaeg8Yyk>

Prerequisite: MAC11

Payroll, merchandise inventories, taxes, banking, and accounting procedures will be covered in Accounting 12. A major goal will be to enable the student to function successfully in an industry-standard computer environment. Practical experience using Sage computer software for everyday finances and small business applications will be part of the course.

Business Computer Applications 12 (MBCA12)

Prerequisite: None

Students are introduced to key computer applications tools that directly relate to the business world and will be useful going forward for the students, in both their educational and employment futures. Students will spend time learning and exploring Microsoft Word, Excel, and PowerPoint. Time will also be spent working with different programs available for creating a personal and business blog, building a simple website, and creating useful and professional Adobe PDF files. This class will be blended with Entrepreneurship 12, and therefore most elements will be taught with a focus on using the programs to create documents with a business focus.

Entrepreneurship 12 (MENT12)

Prerequisite: Must be in Grade 11 or 12

Students are introduced to the world of entrepreneurship, learning about the challenges and rewards of being a small business owner. Students will study the personal characteristics of successful entrepreneurs, the elements of a viable business, and the necessary steps in making a business plan. Students will develop the soft skills necessary to succeed in the business world, by participating in team-based projects and by developing and operating an actual business during the term.

Marketing & Promotion 11 (MMAP11)

Prerequisite: Must be in Grade 11 or 12

Students will learn about the power of marketing through designing and executing marketing campaigns. Using the “Design Thinking” method, students will complete projects with real-world results, including designing school hoodies for sale and planning holiday events. In this class, you learn how to figure out what your peers want, and how to give it to them! Instead of just wishing that high school was more exciting, Marketing 11 gives you the opportunity to be the change you wish to see.

Languages

French 11 (MFR11)

Prerequisite: MFR10

Structures and tasks in this course are much more sophisticated than those covered in French 10. French is the language of communication in the classroom, and it is expected that students demonstrate their ability to understand spoken French and communicate in French at a level consistent with the structures being presented. This course will include a variety of supplementary materials to help improve all skill areas.

French 12 (MFR12)

Prerequisite: MFR11

French 12 completes the sequence of French courses offered at MBSS. Emphasis is placed on expanding oral and written comprehension as well as refining oral and written communication skills. French is the language of communication in the classroom.

Spanish - Introductory 11 (MBSP11)

Prerequisite: None

Beginner Spanish is designed to a fun way to learn to speak, read, and write Spanish. Much of our time is spent focusing on learning to speak in Spanish. Students will learn pronunciation of Spanish sounds and words, a basic Spanish vocabulary, present tense verb structure, how to ask and answer questions, and various aspects of Spanish small talk. Most importantly, this course will prepare students to communicate when they travel to a Spanish speaking country. By the end of this course students will be able to have a short but fluent conversation in Spanish with confidence.

Spanish 11 (MSP11)

Prerequisite: MBSP11

Students need to have completed Introductory Spanish to take this course. Students continue to develop their language skills from Beginner Spanish in this course. Students will learn a variety of Spanish tenses as they further develop their speaking, reading, and writing skills. There is greater emphasis on reading and speaking in this course, while students will also be developing writing skills. Students are expected to work independently and to contribute to group projects throughout this course. By the end of the semester, students will be proficient at writing according to their own interests and comfortable having an off-script conversation in Spanish.

Spanish 12 (MSP12)

Prerequisite: MSP11

Spanish 12 completes the sequence of Spanish courses offered at Mount Baker. Students in this course will continue to work towards fluency. There is a focus on the development of grammar skills, verb tenses, and sentence construction. Once again, the focus of this course is on speaking Spanish, but a significant amount of time will be spent reading and writing as well. Students must have taken Introductory Spanish 11 and Intermediate Spanish 11.

Ktunaxa Language

Prerequisite: None

Aboriginal Education programs provide support for Ktunaxa Language in partnership with College of the Rockies. These courses are dual credit courses. Elders provide support for Ktunaxa Language 101/102.



Apprenticeship – Dual Credit

Train: Train in Trades (TRNE-2A)

(Seats are limited. Applications are required, available from school counsellor.)

Train in Trades is a dual-credit program that combines Foundation or Level I technical training in an apprentice-able trade with completion of the Grade 12 Graduation Program. A student completes all required courses for graduation **prior** to entry in TRN and then becomes a full-time student at the College of the Rockies during their Grade 12 year. Grade 12 elective credits are earned at the same time as the student gets Skills Training in BC (skilledtradesbc.ca) credit for Year 1 technical training of apprenticeship. The goal is to complete workplace-based training hours subsequently with a sponsor employer to complete all Year 1 requirements for the trade. ****You must complete English 12 and CLC 12 before your program starts****

Trades currently available as part of a partnership agreement with the College of the Rockies and STBC (Skilled Trades BC):

-Auto Service Technician	-Heavy Equipment Technician	-Hairstylist	-Cook
-Carpenter	-Industrial Mechanic	-Welder	-Electrician

Students attend the training program full time at the College of the Rockies Cranbrook campus for 24 to 44 weeks, depending on the trade. Credits are accrued at the school and with the STBC. Tuition costs are partly covered by the school district and the STBC.

Due to the start date of some TRN programs, it should be noted that students may be enrolled and expected to complete course requirements simultaneously. In cases like this, the student should communicate with the teachers at both institutions that they have dual responsibilities, and that consideration should be made for the completion of outstanding work/projects/tests that are required by either institution.

More information on this program is at <https://skilledtradesbc.ca/youth-train-in-trades-program>

The training schedule can be seen at <https://cotr.bc.ca/trades-training-schedule/>

For more details about applying, talk with your school counsellor or contact Tristan Taylor, Regional Transitions Coordinator. Phone: 250-581-2382 or email ttaylor@cotr.bc.ca

WRK (MWRK-2A) Youth Work in Trades

The Youth Work in Trades Program is an excellent opportunity for motivated students who intend to have careers in one of British Columbia's approximately 120 apprentice-able trades. During Grades 11 and 12, the student will alternate regular in-school classes with approved paid work experience. Upon completion, the student receives both regular secondary graduation credits and credit with the Skilled Trades BC (STBC) towards first-year workplace-based apprenticeship training.

To enter this program, a formal application, an interview, and recommendations are required. Application forms can be obtained from the Mount Baker Counselling Office. A student does not formally register in Youth Work in Trades until they have found an employer who will sponsor and register the student as an apprentice.

BENEFITS OF THE YOUTH WORK IN TRADES PROGRAM

- ◆ Access to the apprenticeship system while still in school, Opportunity for early start on a career
- ◆ Links to the world of work
- ◆ Practical application of school curriculum
- ◆ Incentive for high academic achievement
- ◆ Development of appropriate attitudes and responsibility
- ◆ Dual credit for work experience
- ◆ Uninterrupted transition from school to work
- ◆ Eligibility for a \$1000 scholarship

Dual Credit with College of the Rockies

Dual credit is an opportunity for high schools to provide students with course choices that are not otherwise available at the high school and accelerate a student's career pathway. Dual credit courses give students high school credit as well as post-secondary credit towards a credential in the BC public post-secondary system and elsewhere.

- 1. What college courses can a student take for dual credit?** As long as the students have met the prerequisites, they can take any post-secondary course that leads to a certificate, diploma, or degree as a dual credit course. College courses in Arts, Science, Kinesiology, Tourism and Recreation Management and Business would qualify, as would trades programs such as TRN (Train: Train In Trades).
- 2. Must students meet course prerequisites to take a college course?** Yes, unless permission is given by instructor.
- 3. How many credits does the high school award?** The high school awards 4 credits for a typical 3 credit college course (see Handbook of Procedures for the Graduation Program).
- 4. Do the College and high school agree on who takes dual credit courses?** When the student seeks a course at the College, the College gives the student a permission form to be signed by the school principal allowing the student to take the dual credit course.
- 5. Are dual credit courses taught in high schools?** The College can deliver the course either at a high school or at the College with a qualified instructor. Dual credit courses are also available online.
- 6. Where can I get more information about taking a dual credit course?** Tristan Taylor, Regional Transitions Coordinator - ttaylor@cotr.bc.ca, College of the Rockies Education Advisors - studentservices@cotr.bc.ca, your high school counsellors, or by visiting <https://cotr.bc.ca/enrolment-services/dual-credit/academic-dual-credit/>.
- 7. What are the costs?** With the school Principal's approval of the course, SD5 will pay the cost of tuition (unless the course is offered at MBSS, ex. Math 090). There are bursaries available to help with textbook costs upon application through Financial Aid at the College of the Rockies.

TRADES SAMPLER PROGRAM 12 (TSTE-2A/2B)

This project-based trades program is aimed at school-aged youth and will be delivered in collaboration with the College of the Rockies. The main objectives of this program are to provide students an opportunity to explore the basic components of a variety of trades and to help students to determine a trade suited to meet their personal goals. At the completion of the Trades Sampler Program, each student will be interviewed as to their interest and plans in pursuing a career in Trades. The program will include a variety of trades, workforce certificates, industry engagement with at least one guest speaker and/or workplace visit, visits to the College of the Rockies trades area and information on apprenticeship and trades careers.

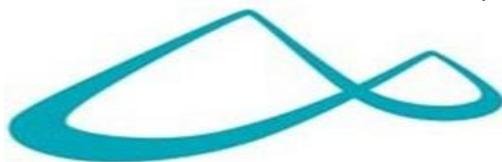
Trades offered as part of the Trades Sampler Program include:

-Welding	-Piping Trades	-Auto Service Technician	-Heavy Mechanical
-Computer Assisted Drafting	-Carpentry	-Industrial Mechanic (Millwright)	-Electrical

The following industry related certificates will be included in the program content:

-WHMIS	-Occupational First Aid Level 1
-Fall Protection and Ladder Safety	-Construction Safety Training Systems (CSTS 09)

8 Grade 12 credits will be awarded for the successful completion of this program.



COLLEGE OF
THE ROCKIES

Leadership

STUDENT LEADERSHIP 11/12 (YCPA-1A/YCPA-2A)

Prerequisite: None

Video Link: <https://youtu.be/Bk5L88TdH70>

The Student Leadership Program is an active, participatory program that encourages Grade 10, 11, and 12 students to recognize their own capacity to effect positive change in their world. Being aware of community-based issues and social justice concerns, students will participate in school or local or global projects and initiatives (individually and in groups) that develop effective communication (oral and written), organizational skills, and decision-making. By learning from each other and people in their community, students will engage in topics, issues, and ideas that matter to them.

This course is offered outside of the timetable. Students will meet with the instructor at a mutually agreed upon time (morning, lunch, or after school). On-going reflections and evidence of personal growth (written and action-based) are required to receive credit for this course.

LEADERSHIP—WARRIORS 11/12 (YCPA-0B)

Video Link: <https://youtu.be/4BRrUVf2Bxl>

Prerequisite: None

Warriors is an Indigenous Student Leadership Program. The Warriors create opportunities for Indigenous students to gain personal growth through **Service, Leadership, Teamwork and Culture**.

This course is offered outside the timetable. Students meet twice per month during lunch hour to focus on topics such as:

- ◆ Cultural activities such as building a tipi, drumming, trapping, Metis jigging, beading, storytelling, moccasin making, attending a Pow Wow or Metis Kitchen Party
- ◆ Effective communication and Organizational skills
- ◆ Consensus decision making processes
- ◆ Personal growth plans and
- ◆ School wide initiatives and Community based initiatives
- ◆ Human dignity
- ◆ Anti-racism
- ◆ Meeting Protocols
- ◆ Team building

This course is open to all Indigenous students in Grades 10, 11, & 12. This is a four-credit program. Regular attendance, participation in events and evidence of personal growth (both written and action based) are required to receive credit for this course. A total of 100 hours must be completed to receive credit.

Work Experience 12

Work Experience offers an opportunity for students to practice school-based learning in a working environment. It opens doors to employment and to post-secondary education.

Work Experience 12A & 12B provide students with on-the-job work experience. These are four-credit courses. Students should connect Work Experience with a career goal and their Career Life Connections plan. Some post-secondary programs now require work experience for admission.

Work Experience bridges the gap between school and the workplace by integrating courses in a meaningful way to help students broaden their education and define their career objectives.

Work Experience enhances student achievement by:

- Providing on the job training
- Easing the transition from school to workplace
- Developing competencies in problem solving skills related to a specialized area of study
- Strengthening feelings of pride and self-confidence in work well done
- Increasing personal and social skills in co-operative work situations
- Providing contact with people in the community, references from such people, and possible future employment opportunities

Indigenous Education

Indigenous Education is for everyone. It is based on providing holistic supports: academic, physical, emotional, and spiritual. The broad goals of Indigenous Education are to support all First Nations (on and off reserve), Metis, and Inuit students and to infuse Indigenous perspectives across the curriculum.

Indigenous Education Support Workers (IESW) and Elders assist Indigenous students and their families in navigating the school system. They reinforce pride and identity amongst Indigenous students. The IESW and Elders are available to help all MBSS students, staff, and teachers.

Example of Services and Supports for students:

Help with schoolwork

Help with post-secondary planning

Tutoring and Mentoring

Personal and cultural support

Snacks, drinks, and lunches available

Advocate

Where: Gathering Place, Room 101 8:00 AM – 3:30 PM

Contact Information: 250-426-5241, ext. 25052 and 25101



Counselling

Counsellors at Mount Baker Secondary School assist students with a wide variety of personal, educational, and career-related concerns. Some examples of services:

PERSONAL COUNSELLING - assists students who are experiencing personal difficulties which interfere with their academic, social and/or family life.

EDUCATIONAL COUNSELLING - provides help in choosing appropriate courses and making educational plans for graduation.

INFORMATION AND REFERRAL SERVICES – current selection of university and college calendars, scholarships and bursaries, and referrals to liaisons with social agencies, educational institutions, government agencies, and the business community.

It is our hope that through the resources available in the Counselling Department, students will be better informed and able to make appropriate decisions for themselves, now and in the future. Counsellors can be accessed in non-emergency situations by making an appointment with the secretary in the counselling office or calling 250-426-5241, ext. 25008.

Earning Credits Toward Graduation

You'll probably earn most of your credits toward graduation the usual way – by successfully completing school-based courses. But there are other ways of earning credits, and some of these might work for you.

Read through the list of options below. For more information, talk to your school counsellor or go to: <https://www2.gov.bc.ca/gov/content/education-training/k-12/administration/legislation-policy/public-schools>

Distributed Learning	Advanced Placement	Post-Secondary Courses	Dual Credit
Equivalency	Course Challenge	Train: Train in Trades	
External Credentials	Youth Work in Trades	Independent Directed Studies	

Independent Directed Studies (IDS 10/11/12):

The purpose of this course is to permit students to initiate their own course of learning at the Grade 10, 11, or 12 level under the supervision of a teacher. **IDS 10/11/12 will only be available through consultation with a counsellor and permission of the appropriate department head. 1 to 4 credits may be earned. This is completed outside the timetable.**

Student Services

Located in Rooms 125 & 126, the MBSS Student Services Team provides a variety of support services for students. Our goal is to provide students with appropriate levels of support and meaningful programs to enhance learning in the school or in the community. Based on the specific academic, social, emotional, and physical needs of the individual student, some of these services include:

- Quizzes and tests (separate setting, oral questions, scribing)
- Adaptations (curriculum, test, homework, setting)
- Support with the acquisition of functional life skills
- Development of an Individualized Education Plan (IEP)
- Modification of academic core courses (Math, Social Studies, Science, English) for students working towards a BC School Completion Certificate (Evergreen Certificate)
- Meetings with students and parents to review progress and plan for future goals
- Arrangement of work experience where appropriate and possible

Graduation Requirements Planning Checklist

Grade 10: Six Required Courses

- An approved English Language Arts 10 (4.0 credits)
- Foundations of Math & Precalculus 10 **OR** Workplace Math 10 (4.0 Credits)
- Social Studies 10 (4.0 credits)
- Science 10 (4.0 credits)
- Physical Education 10 **OR** Boys PE 10 **OR** Girls PE 10 **OR** Gym-Free PE 10 (4.0 credits)
- Career Life Education 10 (4.0 credits)
- Two elective courses (4.0 credits each = 8.0 credits)

TOTAL: 32 Credits

Grade 11: Four Required Courses

- An English Language Arts 11 (4.0 credits)
- A Mathematics 11 **OR** Mathematics 12 (4.0 credits)
- A Social Studies 11 **OR** Social Studies 12 (4.0 credits)
- A Science 11 or 12 (4.0 credits)
- Four elective courses which can include additional academic courses (4.0 credits each = 16.0 credits)

TOTAL: 32 Credits

Grade 12: Two Required Courses

- An English Language Arts 12 (4.0 credits)
- Career Life Connections 12 (4.0 credits)
- Six elective courses which can include additional academic courses (4.0 credits each = 24.0 credits)

TOTAL: 32 Credits

Overall Minimum 80 credits = 52 required credits & 28 elective credits

These credits must include:

- 16 credits (4 courses) at the Grade 12 level (Includes English 12)
- One Indigenous-focused course (Usually an English or Social Studies offering)
- One Arts Education or Applied Design, Skills, or Technology Course

Other requirements:

- Grade 10 Numeracy Assessment (typically scheduled with Math 10 course)
- Grade 10 Literacy Assessment (typically scheduled with English 10 course)
- Grade 12 Literacy Assessment (typically scheduled with English 12 course)

Important notes:

- Full time Mount Baker students are prioritized for elective seats
- Support blocks/spares do not count towards credits
- Internal Scholarships require full-time student status of 8 courses (1 can be Support Block)

Please contact your counsellor for changes. Jodi.lode@sd5.bc.ca (Last names A-L) & leah.draper@sd5.bc.ca (Last names M-Z)