

# **PITT MEADOWS SECONDARY**

## **COURSE SELECTION GUIDE CATALOGUE DE COURS**

# GRADUATION PROGRAM REQUIREMENTS

## CERTIFICATE OF GRADUATION

The B.C. Certificate of Graduation or “**Dogwood Diploma**” is awarded to students who successfully complete the provincial graduation requirements.

To graduate, students will require **80 credits total** – with a minimum of 16 at the Grade 12 level, and 28 elective course credits.

### **Required Courses = 52 credits from the following:**

• Language Arts 10 (2 Combined 2-Credit courses)	(4 credits)
• A Math 10	(4 credits)
• Social Studies 10	(4 credits)
• Science 10	(4 credits)
• Physical and Health Education 10	(4 credits)
• Career Life Education (CLE10)	(4 credits)
 • A Fine Arts Education and/or an Applied Design, Skills, and Technologies 10, 11, or 12	(4 credits)
 • A Language Arts 11	(4 credits)
• A Science 11	(4 credits)
• A Social Studies 12	(4 credits)
• A Math 11	(4 credits)
 • A Language Arts 12	(4 credits)
• Career Life Connection-Capstone (CLC12)	(4 credits)

## INDIGENOUS-FOCUSED GRADUATION REQUIREMENT

All students working toward a B.C. Certificate of Graduation (“**Dogwood Diploma**”), in English or French, must successfully complete at least 4 credits in Indigenous-focused coursework within their 80 credits. Students can meet this graduation requirement through a variety of course options.

### **PMSS will be offering the following courses that meet this requirement:**

- English First Peoples 10: New Media/Lit Studies
- English First Peoples 11: Writing/Lit Studies
- English First Peoples 12
- BC First Nations 12

## PROVINCIAL GRADUATION ASSESSMENTS

Provincial Graduation Assessments:

- **GRADE 10** Numeracy Assessment
- **GRADE 10** Literacy Assessment
- **GRADE 12** Literacy Assessment

In addition, French Immersion Dual Dogwood students must also take

- **GRADE 12** Évaluation de littératie – Français langue première 12

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## LEADERSHIP COURSES (Application and teacher references required)

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These courses provide students with the opportunity to engage leadership interests in the school and community. As leadership activities often occur before school, at Flex, at lunch and/or after school, they typically offer flexible self-directed blocks within the timetable for students to engage these activities along with personal projects and/or study needs. Leadership courses at PMSS are available to Grade 11

This course is intended to provide students with strong leadership and team building skills. Students will successfully plan, organise, promote, participate, and implement a variety of lunch time activities.

**LEADERSHIP 9**  
**LEADERSHIP 10**  
**LEADERSHIP 11**  
**LEADERSHIP 12**

**XLEAD09**  
**YCPA-0B-LE**  
**YIPS-1E-LE**  
**YIPS-2E-LE**

Positively impact the school, community, and world. Activities may include planning school events, fundraising for organizations, environmental initiatives and partnering with elementary school to host events.

**STUDENT AIDE 11**  
**STUDENT AIDE 12**

**YIPS-1D-SA**  
**YIPS-2D-SA**

The purpose of Student Aide 11/12 is to provide a classroom teacher with support in all aspects in their classroom. Student Aides will need to identify and be accepted by a sponsor teacher. Learning activities may include mentorship and assisting students towards increased independence and self-management. Student Aides also support the development of learning resources and classroom setup. Assessment will include bi-weekly contact with the sponsor teacher and teacher and self-assessment in the areas of initiative, communication, and interpersonal skills.

In addition to opportunities to Student Aide in the building...opportunity to **student aide in local elementary school classrooms** is available as well.

This course is an excellent opportunity for those looking to bolster post-secondary and scholarship applications and gain experience in the field of education and learning.

**LIBRARY SCIENCE 11**

**YED-1A-LS**

This course provides students with an in-depth study of library management, organization and services. Students will learn research and information technology skills that will be useful in their future studies. This course provides students with an opportunity to practice work related.

skills in serving the public and facilitating small group activities. Students have an opportunity to explore library or information related careers. Library Science 11 will give students who are motivated, self-starters the opportunity to take a course that has a hands-on approach and develops skills related to many careers. To be considered for the program, students must complete an **online application** that is linked on the course selection sheet.

**ATHLETIC LEADERSHIP 11**  
**ATHLETIC LEADERSHIP 12**

**YHRA-1E-AL**  
**YHRA-2E-AL**

Athletic Leadership is an elective course designed to promote leadership skills to support athletics and health in both our community and school. This course is open to students in grades 11 and 12. Students can show leadership by helping with the set up for games, scorekeeping, officiating, running intramurals (you can still participate in intramurals), organizing and implementing school wide sport and health theme days...such as Pep rallies, jersey day, healthy eating challenges and movement breaks...coaching and possibly supporting younger athletes in the elementary system with athletic activities. Activities for these two courses typically are scheduled for after school and sometimes during Flex and lunch.

# ENGLISH LANGUAGE ARTS

At the Grade 10 level, English Language Arts is composed of two, 2 credit courses (taken within the same block of time) to meet the requirements of 4 English Language Arts 10 credits.

**All students in Grade 10 must take Literary Studies 10 or English First Peoples Literary Studies 10 which are connected to the options below.**

## LITERARY STUDIES 10

**Literary Studies 10** is designed for students who are interested in the literature of a particular era, geographical area, or theme, or in the study of literature in general. The course 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. Through the study of literature, students will increase their literacy skills through close reading of appropriately challenging texts, enhance their development of the English Language Arts curricular competencies (both expressive and receptive), expand their development as educated global citizens, and develop higher-level thinking and learning skills.

**Students in Grade 10 will choose ONE of three options:**

**OPTION A: CREATIVE WRITING 10 (2 credits) and LITERARY STUDIES 10 (2 credits)**

**MCTWR10 MLTST10**

**Creative Writing 10** is designed for students who have an interest in creative expression through language. The course provides students opportunities to build their writing skills through the exploration of topics such as identity, memory, and story in a range of genres. While students will explore and learn to write more traditional texts (such as essays) to build the foundation needed for Senior level English, greater emphasis will be placed on more creative-based tasks to demonstrate learning including, but not limited to, creating short stories, poetry, visual texts, advertisements, lyrics, podcasts, etc. This course is intentionally grounded in the sampling of writing and design processes, inviting students to work both individually and collaboratively, and to express themselves creatively as they experiment with, reflect on, and practice their writing in a supportive community of writers.

**OPTION B: NEW MEDIA 10 (2 credits) and LITERARY STUDIES 10 (2 credits)**

**MNMD-10 MLTST10**

**New Media 10** provides students the opportunities to engage with both traditional and digital media to exchange and communicate ideas. Students will interact with a variety of text that crosses media from written (journals, newspapers, novels, etc.), to oral (podcasts, music, etc.), and visual texts (films, social media, graphic novels, etc.) and explore how language constructs personal and social identities. Students will engage with the writing and design process to plan, develop, and create published works for a variety of purposes and audiences. Though the course has an emphasis on newer forms of media, traditional texts will also be explored in depth. Similar to Literary Studies 10, students will work both collaboratively and independently to explore both fiction and non-fiction texts to develop their understanding of how these translate into new forms of media.

**OPTION C: EFP Writing 10 (2 credits) and EFP LITERARY STUDIES 10 (2 credits)**

**\*This course fulfills the Indigenous Education requirement for grade 10, 11, 12**

**English First Peoples Literary Studies 10** is designed for students who are interested in exploring First Peoples literature in a variety of contexts, genres, and media. This area of choice provides students with opportunities to explore personal and cultural identities, histories, stories, and connections to land/place. This course is grounded in the understanding of how texts are historically and culturally constructed. Students will work individually and collaboratively to broaden their understanding of themselves and the world. This course must be paired with English First Peoples Writing 10. **English First Peoples Writing 10** is designed for students who are interested in writing for a variety of purposes and contexts. This area of choice provides students with opportunities to become better writers through the exploration of personal and cultural identities, memories, stories, and connections to land/place. Within a supportive community, students will work individually and collaboratively to develop their writing skills and create coherent, purposeful, and engaging compositions. This course must be paired with English First Peoples Literary Studies 10.

**Students in Grade 11 will choose a minimum of ONE of the following courses (selection of one course is mandatory as a graduation requirement):**

**ENGLISH LANGUAGE ARTS: LITERARY STUDIES 11**

**MLTST11**

**Literary Studies 11** builds on the skills learned in Grade 10 level English Language Arts courses and allows students to further deepen their understanding of effective communication. Students will both read and write in a variety of styles, exploring a variety of types of texts (e.g., novels, short stories, plays, poetry, etc.) from many different periods and genres including, modern, classic, fiction, non-fiction, and alternative texts (such as infographics, podcasts, speeches, graphic novels, etc.) depending on student and teacher interest. Within a supportive community, students will work individually and collaboratively to explore and create purposeful, meaningful, and clear texts that are formal/academic, creative, and applied in nature using a variety of forms allowing them to pursue passions and showcase their strengths. Students will also dive deep into text as they analyze how language and text impact our understanding of ourselves and the world around us.

**ENGLISH LANGUAGE ARTS: NEW MEDIA 11****MNMD11**

**New Media 11** invites students to explore how language shapes personal and social identities through both traditional and modern forms of communication. Students will engage with a wide range of texts both new and traditional, including journals, novels, films, social media, and graphic novels, while examining how these mediums influence ideas and stories. The course emphasises the writing and design process, guiding students to create polished works for diverse audiences and purposes. While newer forms of media take centre stage, traditional texts will also be explored in depth to provide a balanced perspective. In addition to working collaboratively and independently, students will develop core English skills such as creative and academic writing, conducting and presenting research, and analysing fiction and nonfiction texts. New Media 11 cultivates creativity, critical thinking skills, and adaptability, helping students navigate, understand and contribute to the evolving world of media and communication.

**ENGLISH FIRST PEOPLES: LITERARY STUDIES and WRITING 11****MEFLS11**

**\*This course fulfills the Indigenous Education requirement for grade 10, 11, 12**

**EFP Literary Studies + Writing 11** is designed for students who are interested in studying First Peoples literature and using writing for self-expression and communication in a variety of contexts. Students delve deeply into First Peoples oral and written literature in a range of media to explore various themes, authors, and topics. This provides a foundation for them to think critically and creatively as they continue to explore, extend, and strengthen their own writing. Within a supportive community, students work individually and collaboratively to explore oral and written literature and create powerful, purposeful compositions.

**ENGLISH STUDIES 12****MENST12**

**English Studies 12** is a required course that builds on and extends students' previous learning experiences in ELA 10 and 11 courses. Designed for all students, English Studies 12 provides students opportunities to refine their ability to communicate effectively in a variety of contexts, and to achieve their personal and career goals. It helps students to think critically and creatively about the uses of language as they explore a variety of texts from novels to poetry, infographics, film, podcasts, non-fiction, and more. Students will work both individually and collaboratively to refine their skills and can expect to read, write, and communicate in a variety of academic/formal, creative, and applied genres, allowing them to pursue passions. Students will learn to be critical of text and information presented to them, ensuring they become informed consumers of text in all forms.

**ENGLISH FIRST PEOPLES 12****MENFP12**

**\*This course fulfills the Indigenous Education requirement for grade 10, 11, 12**

**English First Peoples 12** is grounded in the First Peoples Principles of Learning. It is designed for all students, Aboriginal and non-Aboriginal, who are interested in delving deeply into First Peoples oral and written literature and visual texts in a range of media. The course focuses on the experiences, values, beliefs, and lived realities of First Peoples as evidenced in various forms of text, including oral story, poetry, song, performance, film, and prose. A key feature of the course is its focus on authentic First Peoples voices (i.e., historical or contemporary texts created by or with First Peoples).

**CREATIVE WRITING 12****MCTWR12**

**\*Elective English course – does not satisfy English graduation requirement**

Creative Writing 12 is an **elective** course designed for any student who enjoys writing in a variety of creative forms and wants to develop their skills as a writer. It especially fitting for those who may be interested in becoming authors or working in fields such as journalism, business/advertising, film and television, the music industry, or education. The course provides students with opportunities to explore different styles of writing in depth and may also include opportunities to publish and share their work in real-world contexts. Topics of study could include short stories, blogs, children's fiction, journalism, poetry, podcasts, song writing, scripts/playwriting, and more depending on students' interests. Within a supportive community, using the workshop model, students will collaborate and develop their skills and command of language through writing and design processes, celebrating successes. Students should expect to complete some writing on their own time, but significant class time will be devoted to writing and completing assignments. **This elective course is open to students in Grade 11 and 12.** Please note: this course is **NOT a substitute for English 11, English Studies 12 OR English First Peoples 11/12;** it is taken in addition to one of these courses.

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## **FRENCH IMMERSION** (*French Immersion graduates receive a Double Dogwood Certificate*)

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### **ÉTUDES DES ALIMENTS 9**

In this course, we will exercise our oral language skills as we do a variety of hands-on activities. This course is designed to encourage students to speak in French, while learning about the role of foods in the French cultures. Students will also learn about nutrition, health and foods from the French-speaking world. We will also be cooking!

**FCCEA09**

### **FRANÇAIS LANGUE 10**

Expand your knowledge of complex grammatical structures with a focus on expressions and the ability to communicate correctly in speech and in writing. Projects include a novel study as well as film studies.

**FFRAL10**

### **SCIENCES HUMAINES 10**

This course covers the grade 10 Social Studies curriculum as outlined in the B.C. Social Studies curriculum guide. It will directly parallel the content and skills emphasized in the English Social Studies 10 course. More sophisticated French language communication skills will be developed.

**FSCH-10**

### **ÉDUCATION AU CHOIX DE CARRIÈRE ET DE VIE 10**

This course satisfies the CLE 10 graduation requirement

**FCLE-10**

Education au choix de carrière et de vie supports students in becoming successful, educated citizens by helping them learn how to effectively manage their life journey toward preferred future possibilities and how their French fluency can play a role. It focuses on gaining a clear understanding of career-life development knowledge, skills, and strategies for life's journey into adulthood, and includes the exploration of career-life possibilities for adult life, such as roles, opportunities, and community resources, examination of ways to publicly represent ourselves both face-to-face and in digital environments, the practising of inclusive and respectful interactions for various community and work-related contexts in both languages, connecting and engaging with supportive community members, and researching post-graduation options and planning resources, such as labour market trends, budgeting tools, and workplace safety guidelines.

### **COMMUNICATION ORALE 11**

**FSPLG11**

COMMUNICATION ORALE 11 aims to improve the oral fluency of immersion students. The emphasis is on oral work (conversations, discussions, debates, role-play, etc.). Students are required to come to class with an open mind and a willingness to express their opinions and listen to others. You will be working from a variety of authentic French materials from novels to music, to movies and scripts. This course is suggested for French Immersion students to maintain and increase their language ability; it is accepted as an Immersion course leading to a Bilingual Dogwood diploma

### **ÉTUDES SUR L'ALIMENTATION 11**

**FFOOD11**

Why do we eat what we eat? Is what we eat really food? In this course, you will think critically about the food choices you make. Cooking labs include local and in-season food and a cultural component; learn skills that will help you cook for yourself and family. This class is for students with a passion for cooking who want to continue to acquire, grow and develop the skills.

### **FRANÇAIS LANGUE 12**

**FFRAL12**

This course is the apogee of the French immersion program. Continue the philosophy begun in grade 11, reading various novels and analyzing a variety of films. Expand your knowledge of French and your ability to communicate through oral communication, reading, writing, and listening. Mandatory Évaluation de la Littératie 12 Provincial exam. Optional DELF accreditation B1 or B2 may be attempted.

### **ÉDUCATION AU CHOIX DE CARRIÈRE ET DE VIE 12**

**FCLC-12**

This course satisfies the CLC 12 graduation requirement

In this French Immersion course students identify and develop their personal interests, passions, and goals, with a focus on how their fluency in French can open doors. Students will reflect on their learning experiences and skills development at school and in the community, gain confidence in their contributions, and explore roles and opportunities in personal, educational, and professional contexts. They will develop and apply their personal management skills necessary to pursue who and how they want to be in the world. It also facilitates community networking and experiential learning inside and outside the school and allows students to explore how their second language can be an advantage in professional and authentic contexts.

### **ENTRAÎNEMENT ET CONDITIONNEMENT PHYS 10-12 - MORNING CLASS**

**FFTCD10/11/12**

This course runs prior to the regular school day at 7:15am. Students will develop and demonstrate appropriate exercise techniques for a variety of fitness activities and create and implement a personalized fitness program. Also, students will identify and describe how different types of fitness activities influence the muscular and cardiovascular systems. Students will explore fitness myths and fads, analyze health messages, and learn about human anatomy and physiology. Overall, students will increase confidence and be encouraged to participate in lifelong physical activities.

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## LANGUAGES

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**FRENCH 9****MFR—09**

Improve communication through vocabulary activities, grammar activities, and the practice of future and past tenses. Learn the distinction between oral and written structures. Explore music, art and film, while comparing French culture with local culture.

**SPANISH 9****MSP-09**

This is an introduction to Spanish intended for Grade 9 students who are interested in exploring a new language. Students will learn grammar and vocabulary relating to school, clothing, food, etc. They will learn how Spanish is both similar and different from French. Students will be expected to read, write, listen and speak Spanish.

**FRENCH 10****MFR--10**

Acquire complex grammar skills, and write paragraphs and essays using a second future tense, a second past tense and the conditional tense. Improve oral communication by learning more vocabulary and clearer pronunciation. Informal speech patterns will help distinguish between oral and written expression. Explore French music, art and film and compare France and other French speaking countries.

**SPANISH 10****MSP-10**

BIENVENIDOS! Did you know that Spanish is spoken by over 360 million people in the world? That it is one of the 5 official languages of the UN? That it is the official language of 21 countries? This is a follow up course to Spanish 9. Emphasis is on vocabulary building, pronunciation, and developing interpersonal communication skills. Through a variety of activities the learner will gain an appreciation of Spanish culture, music and literature.

**FRENCH 11****MFR-11**

Refine written and oral expression. Establish a strong foundation for post-secondary French courses with an emphasis on vocabulary expansion and precision of expression. Study music, art and film and the contrast between Canada and France.

**FRENCH 12****MFR-12**

Previous skills and structures are reviewed and more formal speaking and writing will be developed. Improve strategies for writing descriptive and persuasive paragraphs and, expository writing. Learn reading strategies to assist with short stories and non-fiction works. Music, Art and Film will be used to encourage students to consider traveling and studying abroad.

*Optional DELF examination possible*

# MATHEMATICS

Post-Secondary Pathways	Grade 10	Grade 11	Grade 12	+ Grade 12
<b>Trade Programs</b>	<b>Workplace Math 10</b> or <b>Foundations and Pre-calc Math 10</b>	<b>Apprenticeship Math 12</b> or <b>Foundations Math 11</b> or <b>Pre-Calc Math 11</b>	<b>Apprenticeship Math 12</b>	
<b>College or Universities</b> (Arts and Humanities)	<b>Foundations and Pre-Calc Math 10</b>	<b>Foundations Math 11</b>	<b>Foundations Math 12</b>	
<b>College or Universities</b> (Math, Sciences, Engineering, Computer)	<b>Foundations and Pre-calc Math 10</b>	<b>Pre-Calculus Math 11</b>	<b>Pre-Calculus Math 12</b>	<b>Calculus 12</b>

## WORKPLACE MATHEMATICS 10

## MWPM-10

This pathway is designed to provide students with mathematical understanding critical thinking skills for entry into the majority of trades programs and workforce. Topics include: Applying metric and imperial system to measurement of 2 and 3 D objects, statistics and probability, geometry and financial literacy (fundamentals of income, spending and debt). Students completing this course will move on to Workplace Math 11.

## FOUNDATIONS & PRE-CALCULUS MATH 10

## MFPM-10

This course is designed to provide students with mathematical understanding and critical thinking skills identified for post-secondary studies in both Arts and Sciences. Topics include: Financial Mathematics, Trigonometry, Numbers and Radicals, Powers (involving integral and rational exponents), Polynomials, Factoring, Linear Functions, Relations and Functions, Systems of Equations, and Measurement. This course leads to Foundations of Math 11 or Pre-Calculus Math 11.

## APPRENTICESHIP AND WORKPLACE MATH 11

## MWPM-11

This course is highly recommended for students who are planning to enter the workforce or planning a career in a trades program. Topics include: Mathematical Reasoning, Rates of Change, Measurement, and Statistics. \*\*BCIT requires Foundations of Math 11 or higher. Please check institution and program requirements. This course satisfies the Mathematics Graduation requirement set by the Ministry of Education.

## FOUNDATIONS OF MATH 11

## MFOM-11

This course is highly recommended for students who are pursuing post-secondary studies in the arts and humanities. Topics include: Logic and Reasoning, Functions, Geometry, Statistics, and Trigonometry. This course leads to Foundations of Math 12. This course satisfies the Mathematics Graduation requirement set by the Ministry of Education.

## PRE CALCULUS MATH 11

## MPREC11

This course is highly recommended for students who are pursuing post-secondary studies in math or sciences. Topics include: Relations and Functions, Trigonometry, Polynomial Functions, Graphing, and Equation Solving. This course leads to Pre-Calculus Math 12. This course satisfies the Mathematics Graduation requirement set by the Ministry of Education.

## APPRENTICESHIP MATH 12

Open to all students in grades 11 & 12, this course is geared towards students entering the trades. While students entering trades programs are encouraged to take Pre-Calc or Foundations of Math, AM 12 is recommended over Workplace Math. In AM 12, students will explore the following themes:

- Measuring: using tools with graduated scales; conversions using metric & imperial
- Similar triangles: including right-angle trigonometry
- 2D & 3D shapes: including area, surface area, volume, and nets
- 3D Objects and their views (isometric drawing, orthographic projection
- Mathematics in the workplace
- Financial literacy: business investments and loans.

**FOUNDATIONS OF MATHEMATICS 12****MFOM-12**

This elective course is recommended for post-secondary studies in the arts and humanities. Topics include: Financial Mathematics, Set Theory and Logic, Combinatorics, Probability, as well as Polynomial, Logarithmic, and Trigonometric Functions.

**PRE-CALCULUS 12****MPREC12**

This course is recommended for post-secondary studies in math or sciences. Topics include: Relations and Functions, Trigonometry, Polynomial Functions, Graphing, and Combinatorics.

**CALCULUS 12****MCALC12**

This course covers material similar to first-year university. Topics include: Conics, Limits, Derivatives and Applications, as well as Integration and Applications. This course is recommended for post-secondary studies in math or sciences. There is an option to write the Calculus Challenge Exam in June. Students must have completed or be enrolled in Pre-Calculus 12.

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# PHYSICAL HEALTH EDUCATION

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**STRENGTH TRAINING 10****YHRA-OB-ST**

Available to both grade 9 and 10's, this course is a comprehensive physical and academic weight-training program. Students will learn how to train for strength, power and muscular endurance as well as learn about muscles involved in the skeletal system. Safety issues and health concerns will also be taught in addition to programs designed to rehabilitate and prevent injuries.

**ACTIVE LIVING 11****MACLV11**

Students will participate in physical activity through individual and team activities. Students will be able to identify enjoyable recreational activities that will motivate and encourage them to participate in life long physical activity. Students will build on the knowledge and skills they gained in grade 10 Physical and Health Education, demonstrating safety, fair play, and leadership in physical activities. Students will have the opportunity to participate in local field trips such as: ice skating, indoor rock climbing, bowling, hiking, paint balling etc.

**Empowered Fitness: Mastering Techniques and Promoting Women's Health 9-12**

Students will learn and practice proper exercise techniques for various fitness activities, creating a personalized fitness plan that supports their goals. They will explore how different exercises affect the muscular and cardiovascular systems, with an emphasis on women's health and fitness needs.

Students will develop leadership skills in fitness settings and gain a better understanding of how exercise influences overall health. By the end, they will feel empowered to continue fitness routines that promote long-term wellbeing.

**STRENGTH TRAINING 11****YHRA-1B-ST**

Students wishing to enhance their physical strength, power, speed, and stamina are ideal candidates for this course. Students will be challenged physically through strength training and mentally through anatomy and physiology testing. Units of study include human anatomy & muscle physiology, Olympic lifting, strength & power training via weight, power lifting, sport specific training programs, drug education (i.e. steroid abuse), plyometric, flexibility training, injury rehabilitation and prevention, and nutrition.

**FITNESS AND CONDITIONING 10, 11 AND 12 - Morning Class****MFTCD11/MFTCD12**

This course runs prior to the regular school day at 7:15am. Students will develop and demonstrate appropriate exercise techniques for a variety of fitness activities and create and implement a personalized fitness program. Also, students will identify and describe how different types of fitness activities influence the muscular and cardiovascular systems. Students will demonstrate a variety of leadership skills in different types of fitness activities. Students will explore fitness myths and fads, analyze health messages, and learn about human anatomy and physiology. Overall, students will increase confidence and be encouraged to participate in lifelong physical activities.

**YOGA FIT 11 / YOGA FIT 12****YHRA-1D-YF/YHRA-2D-YF**

Yoga Fitness is a course designed to introduce students to yoga. Students who are interested in gaining flexibility and strength and developing a healthy fitness routine that they can continue with throughout their lives will learn a variety of styles of yoga that incorporate gentle stretching, breathing for relaxation and stress reduction, and power yoga. As well as exercising through yoga, students will also be introduced to a variety of fitness exercises to strengthen the body.

**ACTIVE LIVING 12****MACLV12**

Students will participate in physical activity through individual and team activities. Students will gain an increased confidence in physical activities and will be encouraged to pursue lifelong participation in those activities. Students will be able to demonstrate reasoned decision-making related to their personal health and well-being. Students will build on the knowledge and skills they gained in grade 11 Active Living, demonstrating safety, fair play, and leadership in physical activities. Students will have the opportunity to participate in local field trips such as: ice skating, indoor rock climbing, bowling, hiking, paint balling, etc.

**STRENGTH TRAINING 12****YHRA-2B-ST**

A weight training program focusing on safety (injury prevention), techniques of lifting, physiology, and building strength. Gain a greater understanding of your body and how to train for sport specific activities.

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# **SCIENCES**

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**EARTH SCIENCE 11****MESC--11**

Earth Science 11 is the study of the earth and its movements. Includes units on: Earth Materials, Plate Tectonics, Atmospheric Composition and Changes, Hydrological Cycle, and Earth and the Solar System.

**Science for Citizens 11****MSCCT-11**

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

**LIFE SCIENCES 11****MLFSC11**

This biology course introduces students to a variety of biological skills and the study of living organisms. Includes units on: Levels of Organization, Cell Structure and Function, Taxonomy, Viruses, Evolution, Genetic Modifications, Single and Multi-celled Organisms.

**CHEMISTRY 11****MCH--11**

This course is an introduction to the basic concepts involved in the study of chemistry. Includes units on: Atoms and Molecules, Mole Concept, Chemical Reactions, Solubility, and Organic Chemistry.

**PHYSICS 11****MPH--11**

This is an introductory physics course that looks at motion, forces, relativity, momentum, and energy.

**ANATOMY and PHYSIOLOGY 12****MATPH12**

This biology course involves the application of concepts from Life Sciences 11 and Chemistry 11, focusing on the human body with the underlying theme of homeostasis and control mechanisms. Includes units on: Biological Molecules, Cells, Enzymes, DNA and Protein Synthesis, and Organ Systems.

**CHEMISTRY 12****MCH—12**

This course involves the application of concepts from Chemistry 11. Includes units on: Reaction Kinetics, Dynamic Equilibrium, Solubility Equilibrium, Acid Bases and Salts, and Oxidation Reduction.

**PHYSICS 12****MPH--12**

This course extends topics from physics 11 into two dimensions while looking at vector kinematics, vector dynamics, circular motion, Newtonian gravitation, electricity, and magnetism.

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# SOCIAL STUDIES

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**BC FIRST PEOPLE 12****MBCFP12**

\*This course fulfills the Indigenous Education requirement for grade 10, 11, 12

This course is designed to study the traditional territories and the oral histories of BC First People's groups. Looking at the impact of colonialism and the current issues regarding First Peoples today. Examine historical and present day issues facing native peoples of BC and Canada. Topics include treaty negotiations, land claims, Métis, early Europeans, art, legends, and food. BC First Nations Studies 11/12 meets the Social Studies 11 graduation requirement.

**COMPARATIVE CULTURES 12****MCMCL12**

This course is designed to explore the evolution of civilization from the Neolithic period (the Stone Age) to the European Renaissance. The course includes an extensive look at the cultures and civilizations that contributed to the development of modern civilizations such as Mesopotamia, Egypt, Greece, and Rome. Emphasis is placed on understanding why humans created works of art, why humans developed mythology and religion and how humans interact with one another. A wide variety of opportunities for studying ancient civilizations is provided including extensive class discussions, video excerpts, and group projects. Comparative Cultures 12 includes an appreciation of diverse world cultures and preparation for post-secondary courses such as Anthropology, Archaeology, and Ancient History. Students will explore world travel to gain an understanding of peoples, cultures, and environments. Comparative Cultures 12 is a university recognized course.

**ECONOMIC THEORY 12****MECT-12**

Explore concepts of economics from the political and social perspective. Application of economic theories from personal business to government. Use of calculations and graphing will support information found in newspapers. Designed to prepare students interested in pursuing economics for post secondary.

**LAW STUDIES 12****MLST-12**

Law Studies 12 promotes the understanding of a student's legal rights and responsibilities through an examination of the law within Canada and around the world. Students will examine the origins and foundations of Canadian law, how laws are made and the influences and effects that law has on our everyday lives. Law 12 fosters skills and attitudes that enhance students' abilities to address legal, social, and ethical issues, and reflect critically on the role of law in society. The study of law also promotes the skills and abilities needed to clearly express ideas, argue effectively and logically, and accurately interpret information. Topics covered include the Charter of Rights and Freedoms, Criminal Law, Trial Procedures, Family Law, and Contract Law among others. An emphasis is placed upon noting changes in Canadian law and on current legal issues. Law Studies 12 is a university recognized course.

**SOCIAL JUSTICE 12****MSJ--12**

A dynamic course blending history, psychology, literature & media to study stereotypes, racism, homophobia, and equal rights. Topics include slavery, segregation & US Civil Rights, India's non-violent fight for freedom, South African Apartheid, the media's representation of women & minorities, and the growth of Equality Rights in Canada. Think critically and analyze the world and personal beliefs. Extra credits could be earned through Work Experience hours.

**Geography & Outdoor Education (8 credits)****MHGEO12/MPGEO12**

Dive into the dynamic connection between people, places, and the environment. Through hikes, nature walks, urban explorations, and extended field trips—including overnight adventures—you'll learn how geography shapes human life and how our activities impact the world. Gain real-world knowledge about ecosystems, landforms, sustainability, and global interconnections, while developing the skills to safely navigate and thrive outdoors. This course is perfect for students who love the outdoors, enjoy hands-on learning, and want to develop lifelong skills in teamwork, leadership, and environmental responsibility. Whether you're a seasoned adventurer or new to outdoor exploration, this class will take you on a journey that is both educational and inspiring.

**PSYCHOLOGY 11****YPSYC1A-PS**

\*This course does not satisfy the Social Studies requirement for graduation. Elective only.

Why do we talk to ourselves? How do we learn? Why are some people driven to change the world and others won't even change the channel? Discover more about human behavior. Investigate the question of nature vs. nurture and the forces that shape human development. Topics include: memory, hallucinations, hypnosis, motivation and classical conditioning.

**PSYCHOLOGY 12****YPSYC2A-PS**

\*This course does not satisfy the Social Studies requirement for graduation. Elective only.

How does personality develop? Is it a good idea to date a narcissist? Why do people become serial killers? Investigate human nature and behaviour, venturing deeper into the question of abnormal psychology. Topics include: phobias, obsessive-compulsive disorder, dissociative identity disorder, schizophrenia and psychopathy. Requirements include curiosity and a sense of humour.

# **VISUAL AND PERFORMING ARTS - Art**

## **VISUAL ARTS 9: STUDIO ARTS**

**MVA--09**

This is an introductory course to the Elements and Principles of Art and Design. A fun and creative class requiring no previous art experience, it is focused on developing foundational skills in the core areas of 2D and 3D art including drawing, painting, printmaking, ceramics, and sculpture.

## **VISUAL ARTS: ARTS STUDIO 10**

**MVAST10**

Improve your abilities in 2D and 3D artwork including drawing, painting, printmaking, ceramics, and sculpture. Learn about famous historical and contemporary artists, take a field trip to the Vancouver Art Gallery, and experiment with a variety of different art making techniques. This course allows students to develop their creative expression across a range of mediums as well as a building their own portfolio.

## **ARTS STUDIO 11 (Art Foundations 11)**

**MVAST11**

This is a great course for students interested in trying out a variety of art making techniques. We will be focusing on painting and drawing as well as sculpture, printmaking and mixed-media. Projects include designing and printing t-shirts, spray painting with stencils and creating with clay. The course focuses on helping students develop a personal style and expression while continuing to advance their art skills from the junior art courses.

## **STUDIO ARTS 2D 11 (Painting & Drawing 11)**

**MVAD-11**

This visual arts class is designed to further develop skills in drawing, painting, printmaking, and mixed media. Projects will include watercolour, acrylic and oil painting as well as life drawing. Students will have the opportunity to visit an art gallery and study the work of contemporary and historical artists.

## **CERAMICS AND SCULPTURE 11: Studio Arts 3D**

**MVAC-11**

This class focuses on 3D artwork and is perfect for students who find their creative side through hands-on building. Sculpture will be the main focus of the class and projects include wire sculpture, found art, Papier Mache, clay modeling, pottery wheel, mould-making and plaster casting. Students will develop an understanding of the Elements and Principles of art and how they apply to 3-dimensional work. Students will need to complete some preliminary sketching, but drawing will not be the focus of this course, marks will be based primarily on studio work.

## **ARTS STUDIO 12 (Arts Foundations 12)**

**MVAST12**

This is a great course for students interested in trying out a variety of art making techniques. We will be focusing on painting and drawing as well as sculpture, printmaking and mixed-media. Projects include designing and printing t-shirts, spray painting with stencils and creating with clay. The course focuses on helping students to develop a personal style and expression while continuing to advance and challenge their art skills from the junior art courses.

## **STUDIO ARTS 2D 12 (Painting & Drawing 12)**

**MVAD-12**

This is an advanced visual arts class designed to further develop skills in drawing, painting, printmaking and mixed media. Projects will include watercolour, acrylic and oil painting as well as life drawing. Students will visit an art gallery and study the work of contemporary and historical artists.

## **CERAMICS AND SCULPTURE 12: Studio Arts 3D**

**MVAC-12**

This class focuses on 3D artwork and is perfect for students who find their creative side through hands-on building. Sculpture will be the main focus of the class and projects include wire sculpture, found art, Papier Mache, clay modeling, pottery wheel, mould-making and plaster casting. Students will develop an understanding of the Elements and Principles of art and how they apply to 3-dimensional work. Students will need to complete some preliminary sketching, but drawing will not be the focus of this course, marks will be based primarily on studio work.

## **PHART - Photo and Art Academy 11/12**

**8 CREDITS**

**MVAGA11/12**

This cross-curricular Visual Arts and Photography class is a double-block course that allows students to move between both studios while creating integrated, mixed-media artworks. Students will explore the creative relationship between photography and traditional visual art practices through hands-on projects that combine digital tools with drawing, painting, collage, sculpture, and photographic processes. Emphasis will be placed on experimentation, conceptual thinking, and personal expression. The course will extend beyond the classroom with a variety of field trips, giving students opportunities to create work on site and examine artworks in real-world contexts. No previous art or photography experience required.

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## **VISUAL AND PERFORMING ARTS - Photography**

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**VISUAL ARTS 9: PHOTOGRAPHY****MVA--09-PH**

Introduction to using a digital camera. Develop understanding of various photography and design techniques. This course will help you gain confidence taking creative and dynamic photographs. Also, an exploration into editing possesses such as Adobe Lightroom and Adobe Photoshop will be learned.

**PHOTOGRAPHY 10****MVAPH10**

Introduction to using a digital camera and other alternative image processes. Develop understanding of technical photo skills such as using ISO, aperture, and shutter speed. This course will help you gain confidence taking creative and dynamic photographs. A detailed exploration into editing possesses such as Adobe Lightroom and Adobe Photoshop will be learned.

**PHOTOGRAPHY 11****MVAPH11**

Expand the fundamentals of digital photography. Explore a variety of projects from stop motion photography, web design, to portfolio work. Course will involve field trips and out of class photo shoots. Develop projects using elements of graphic design including Adobe and Photoshop. Understand the process of capturing an idea to final production (printed publication). Become proficient in editing software and techniques.

**PHOTOGRAPHY 12****MVAPH12**

Advance your knowledge of digital cameras and software. Consider the impact of visual communication and the message shared between the designer and viewer. Work independently and in small groups. Distinguish between techniques used in studio photography, photo-journalism, macro photography and sports photography. Create a portfolio and gallery display.

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## **VISUAL AND PERFORMING ARTS – Theatre and Film**

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**DRAMA 9 – For Beginners, Come and Try Out Drama****MDR--09**

In this course students will continue to build upon foundational skills learned in grade 8, such as focus, communication, teamwork and time management. Drama 9 students build their confidence as they participate in drama games, characterization, scene work and improvisation. Students learn voice, mime, choreography/stage blocking, improvisation and the study and preparation of a scene from published plays. Drama 9 builds community by developing friendships among peers and prepares students for real life situations and social interactions. *Please note: drama classes participate in Showcases where students prepare and present work to a live audience.*

**Theatre Company 10, 11 and 12 -****MDRTC10, MDRTC11, MDRTC12**

Explore Acting, Put on a Show, and Star in a Short Film

Open to all Grade 10 to 12 students. This course is an ensemble-based, production-focused course in which students collaboratively create and perform a play while developing skills in acting, movement, voice, character development, and stagecraft. The course builds self-awareness, communication skills, physical confidence and vocal power. A willingness to step outside comfort zones and take creative risks is a necessity. The course will also incorporate film production technique, such as camera performance, basic lighting and sound for film, and on-set etiquette to expand students' understanding of performance across multiple mediums. *Please note: all drama classes participate in Showcases where students prepare and present work to a live audience.*

This course also includes a wide range of specialized unit options such as improvisation, directing, film, and audition techniques.

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## **VISUAL AND PERFORMING ARTS - Music**

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**MUSIC:****BEGINNER CONCERT BAND 8 - 10      MMU--08-BG / MMU--09-BG / MMUCB10-BG**

Beginner Concert Band 8 -10 is designed for students with little or no experience with a musical instrument. Students will develop skills on their chosen instrument that will allow them to gain core skills to tackle playing music of many different styles. They will also showcase what they learn at department concerts and on trips to local and out-of-town festivals.

**CONCERT BAND 8 - 12****MMU--08-CB / MMU--09-CB / MMUCB10 / MMUCB11 / MMUCB12.**

Concert Band 8-12 is designed for students with previous experience on their instruments, be it in Elementary or Secondary band in previous years. Students will develop skills on their chosen instrument that will allow them to tackle more challenging music of many different styles. Students will have opportunities to travel and perform in the community. They will also showcase what they learn at department concerts and on trips to local and out-of-town festivals.

**JAZZ BAND 8 - 12****MMU--08-JB / MMU--09-JB / MMUJB10 / MMUJB11 / MMUJB12**

**Co-Requisites:** All students need to be enrolled in Concert Band except by special permission of the Band Director.

Students in Instrumental Jazz Ensemble will tackle the music of many of the great swing, rock, R&B, Funk, Blues, and Latin American musicians of the past 60 years. An emphasis on ensemble and solo playing will allow students to develop as a team and as individual players. Students will have opportunities to travel and perform in the community. Students will also showcase what they learn in four public concerts at PMSS as well as local and out-of-town music festivals where they will work with great jazz musicians from around the world.

**CONCERT CHOIR 8 - 12****MMU--08-CC / MMU--09-CC / MMUCC10 / MMUCC11 / MMUCC12**

Everyone likes to sing - whether it is in the shower or with the radio. This course provides an opportunity to learn how to better use your voice. **No previous musical experience is necessary!** This course is open to all students in grades 8-12 willing to work as a team and have fun, all while learning different styles of music and a variety of skills and that will serve them in many areas of life (teamwork, leadership, presentations, confidence, and becoming more aware of different cultures). Students will have opportunities to travel and perform in the community.

**VOCAL JAZZ ENSEMBLE 8 - 12****MMU--08-VJ / MMU--09-VJ / MMUVJ10 / MCMJV11 / MCMJV12**

**Co-Requisite:** Students wanting to join vocal jazz must also enroll in Concert Choir 8-12.

This performance-based course is for students with little or no previous Jazz or Chamber Choir experience. This choir performs its music on microphones and students will learn the fundamentals of singing in harmony, soloing using a microphone, improvising, and singing with jazz instrumental accompaniment.

**GUITAR 9 -12****MMU--09-GU / MMUGT10 / MMUGT11 / MMUGT12**

The guitar has become one of the most accessible musical instruments in the world. Students will learn to play the guitar and develop techniques playing as an individual and as part of an ensemble. We will explore numerous styles, including rock, blues and pop, but mostly we'll have fun doing it. No previous musical experience necessary and all equipment is supplied – just bring your enthusiasm!

**DIGITAL MUSIC PRODUCTION 9-12**

Computers make our lives easier in so many ways and have even become a huge part of the way we compose, produce, and distribute music in the 21<sup>st</sup> century. Students will study the history of electronic instruments and making music with computers, principles of digital sound, the use of a Digital Audio Workstation (DAW) and recording practices. Students will also learn some basic theory and harmony so that they can compose and create their own music, setting them up to support their own digital content creation in the future.

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## **INFORMATION & COMMUNICATION TECHNOLOGY**

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**COMPUTER STUDIES 10****MCSTU10**

Information and Communication Technologies 10 is an **introductory** course on the use of computer applications. This "hands on course" will teach students to use current software and hardware to develop skills in computer programming, graphics, digital audio, word processing/desktop publishing, digital video, animation and web site design.

**MEDIA Design 10/11****MVAMT11**

Media Designs 11 is an introductory course in digital 2D drawing and 3D animation. This "hands on" course will teach students to use current software to develop skills in drawing, character development and modeling, storyboarding, and animation development. No drawing or art experience is necessary. Successful completion of this course will permit students to take the advanced Computer Information Systems 12 course where students will have a choice in what projects they wish to pursue in digital art and animation.

**COMPUTER SCIENCE 11****MMACS11**

Computer Information Systems 11 is an introductory course into the functions of a computer and computer programming. This "hands on" course will teach students to use current software and hardware to develop skills in computer programming. Successful completion of this course will lead to the advanced Computer Information Systems 12 course where students have a choice in what projects they wish to pursue in computer programming.

**COMPUTER SCIENCE 12****MMACS12**

Computer Information Systems 12 is an advanced level "hands on" course. Students will embark on larger in-depth projects in one of the three main topic areas: Computer programming, Digital Media, or Digital Animation. This is a post secondary approved course.

**MICROSOFT ACADEMY 11****MCINF11****MICROSOFT ACADEMY 12****MCINF12**

This class enables students to obtain official Microsoft Certifications in a variety of Microsoft programs. This is a self-directed course in which students decide what program they wish to work on and when they are ready to take the official Microsoft examinations. This course will help students get an advantage when it comes to job applications and performance. Students will also gain confidence in the Microsoft Office Suite, which can improve efficiency with other courses both in High School and University. As this course is self-directed the number of obtainable certifications can range from Word or Excel specialists to the ultimate goal of obtaining a MOS Master Certification.

**YEARBOOK 11 (GRAPHIC PRODUCTION 11)****MGRPR11**

Produce the school yearbook! Learn how to plan, design, fund, and distribute the yearbook. Content includes writing, editing, layout, photography, budgeting, marketing, and sales.

**YEARBOOK 12 (GRAPHIC PRODUCTION 12)****MGRPR12**

Take a leadership role while mentoring new students, choosing projects, and self-designing pages. Content includes writing, editing, layout, photography, theme development, budgeting, marketing, and sales. Attendance is mandatory.

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# **HOME ECONOMICS – Food Studies**

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**FOODS AND NUTRITION 9****MADFS09**

Mix healthy cooking into your life. Explore the basics of nutrition, cooking methods, meal plan options, and personal food choices. Cooking labs will focus on breakfast, lunch, dinner and dessert.

**FOODS AND NUTRITION 10****MFOOD10**

Creatively prepare nutrition food. Learn how major ingredients influence good food choices and improve appearance, emotions, and energy. Cooking labs will focus on the major nutrients our bodies need to function properly.

**FOODS AND NUTRITION 11****MFOOD11**

Why do we eat what we eat? Is what we eat really food? In this course, you will think critically about the food choices you make. Cooking labs include local and in-season food and a cultural component; learn skills that will help you cook for yourself and family. This class is for students with a passion for cooking who want to continue to acquire, grow and develop the skills.

**FOODS AND NUTRITION 12****MFOOD12**

Do you have a passion for good food made from fresh ingredients? Examine food from a nutritional and socio-economic viewpoint. Build community while discovering practical skills needed for the wellbeing of yourself and others.

**BAKING 11****YHEC-1D-BK**

Do you have a passion for baking? This course focuses on the technical skills and methods specific to baking. You will discover the function of ingredients and how to make a variety of baked goods such as: muffins, biscuits, cookies, cakes, etc. Through your experience in other Foods and Nutrition courses, you've discovered that you love everything to do with sweet and savoury baking.

**FAMILY AND SOCIETY 10****MFAMS10**

In this course, you will examine how changes in society impact the definition of family and the functions of the family, as well as explore family trends in Canada and family customs and traditions in different cultures. We will examine the roles and responsibilities of family members, family values, and the influence of family dynamics. You will also understand the economic, social, and emotional issues facing families today and practical strategies for coping with those challenges.

**INTERPERSONAL & FAMILY RELATIONSHIPS 11****MIAFR11**

Study inter-relationships between friends, families, and you! Topics include: relationships, adulthood, and families. Healthy interpersonal relationships are central to our happiness, overall well-being, and workplace success. Effective communication skills are critical in such interpersonal relationships. This course uses an experiential and self-reflective approach. It aids students in the development of personal strengths and self-awareness that contribute to communication skills and positive relationships with others in daily life and in the workplace. Attention is given to many influences and factors affecting interaction (self-concept, perception, emotions, listening, verbal and nonverbal messages, cultural and situational differences, and dealing with conflict). There will be hands on activities, projects, class discussions, guest speakers, videos and more. This course is open to Grades 11 and 12.

**CHILD DEVELOPMENT AND CAREGIVING 12****MCDAC12**

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. This is an excellent course for those considering careers involving children, including healthcare, teaching, childcare, and recreation, or for those who simply enjoy being around children or who plan to eventually become a parent in the future. This Grade 12 course is also open to Grade 11 students who are interested in this topic.

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## **BUSINESS EDUCATION**

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**ACCOUNTING 11****MAC-11**

Introduction to accounting concepts related to the local and global economy. Learn skills for entry-level employment (financial problem-solving), personal accounting, entrepreneurship and other careers. Working copies and Excel are used.

**MARKETING AND PROMOTION 11****MMAP-11**

This course looks at basic marketing principles including advertising, promotion, display, product development, packaging, and branding. Students will earn valuable experiences in school-based projects. Students will also focus on discovering ways to marketing themselves, a product, and/or a service. Marketing 11 is a must for students interested in business or entrepreneurship, or those looking for a practical way to apply their creativity.

**ACCOUNTING 12****MACC-12**

Continuation of Accounting 11, focusing on merchandising business, subsidiary ledgers, bank reconciliation statements, payroll and sales taxes. A basic understanding of accounting concepts and rules are expected. [Accounting 11 recommended].

**ENTREPRENEURSHIP 12****MENT-12**

This course runs as a fully functioning company operating school-based businesses. Students learn to order items needed for those businesses and maintain inventories. They also learn to keep a budget, pay bills, balance deposits, setting up shop, advertising and promoting. Students are required to work regularly by opening and closing, prepping products, serving customers, and using a cash register.

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## TECHNOLOGY EDUCATION

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**WOODWORK 9****MADW-09**

An introductory “hands-on” woodworking course where students will design, build and construct small projects using a variety of hand-held and power tools. Students will learn about how to conduct themselves in a shop environment while following safety protocols and general procedures

**WOODWORK 10****MWWK-10**

Students will use the knowledge acquired in Woodwork 9 and add valuable machine and power tools skills to design and fabricate small furniture items. Students will also learn basic cabinet making procedures using plywood edged in solid wood. Finally, students will begin using a CNC (computer numerically controlled) router to design and create more elaborate projects. They will continue to follow safety protocols and procedures.

**WOODWORK 11****MWWK-11**

An advanced “hands-on” course focusing on millwork, and cabinet & furniture making. Gain knowledge in the use of tools and machines. Learn shop safety and procedures, design and dimensioning, stock selection, and pricing. Quickly develop woodworking skills while accomplishing the construction of a unique piece of furniture. Students will continue using a CNC router to design and create more elaborate projects. They will integrate software in their project to personalize and engrave their wood projects.

**WOODWORK 12****MWWK-12**

Advanced hands-on course building on former skills, while constructing individual projects. Students will continue using a CNC (computer numerically controlled) router to design and create more elaborate projects. They will integrate software in their project to personalize and engrave their wood projects. Requires strong woodworking skills.

**ELECTRONICS AND ROBOTICS 9/10****MADER09/MTEAR10****ROBOTICS 11****MTROB11****ROBOTICS 12****MTROB12**

This robotics course is **hands-on and project-based** learning environment. Solo and teamwork will be emphasized. Robots, sensors, bread boards, electronic components, 3-D printers and other tech tools will be used extensively. Projects include a roller coaster design, a bridge challenge, designing, building, and programming robots. If things improve there could be a field trip to BCIT Robotics Lab.

**METALWORK 9****MADM-09**

An exciting hands-on introductory course consisting of several projects: metal sculpture and home décor items, and a self-determined project. Topics include shop safety, hand tool use and identification, machine use and welding processes.

**METALWORK 10 (TECH. ED.)****MTMET10**

Complementing Metalwork 9, there is a focus on welding/ joining processes emphasizing accuracy, design, and quality. Projects may include floor/table lamps, metal safes and metal sculpture. Projects are both teacher assigned and self-directed.

**METALWORK 11****MTMET11**

Advanced course utilizing the milling machine, lathe work, and metal-joining process. Develop a skill level in all shop areas, while using precision machining and welding/ fabrication. Design and build a major project. Requires a solid understanding of project expectations, machine operation and shop safety, including written & practical safety assessments.

**METALWORK 12****MTMET12**

A continuation of Metal Fabrication 11 focusing on planning, project design, dimensioning and cut lists. Requires a strong understanding of all aspects of the metal shop. In addition to assigned projects, demonstrations and safety lessons, students are expected to have personal project plans.

**MACHINING AND WELDING 12****MTMAW12**

Students must arrive in September with dimensioned plans and cut lists, or project ideas. See instructor prior to signing up for this course to ensure it is right for your skill level and work style.

**PowerTech 10****MTPOW10**

A ‘hands on’ course using hand and air tools, mechanical skills, bodywork and painting. Learn how power is generated and transmitted. Reassemble a small internal combustion engine, build a miniature car project and understand two and four stroke engines.

**AUTOMOTIVE TECHNOLOGY 11**  
**AUTOMOTIVE TECHNOLOGY 11: CAR CARE**

**MTAUT11**  
**MTAUT11-CC**

Learn basic automotive theory, automotive tools and shop practices. The course is mostly “hands on” and includes: principles of the automobile and motor; basic automotive servicing and preventative maintenance; tune-ups; brake and tire servicing. Mechanics 9/10 is recommended.

**AUTOMOTIVE 12**

**MTAUT12**

Expand on principles of theory and shop procedures learned in Automotive 11. More detailed instruction provided in diagnostics and repair procedures. Students are expected to be self-motivated and involved in practical (hands on) work and engine rebuilding.

**ENGINE AND DRIVE TRAIN 12**

**MTEAD12**

Expand on principles of theory and shop procedures acquired in Auto Technology 11. Greater detailed instruction and attention in regards to trouble-shooting, diagnosis, assessment and repair procedures. Students are expected to devote a majority of the course to a multitude of applied mechanical skills, from preventative maintenance to engine rebuilding. Requires independent work with an emphasis on practical work. Open to students also enrolled in Auto 12.

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## WORK EXPERIENCE (Application or teacher permission required)

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**THESE COURSES ARE OFFERED OUTSIDE OF THE TIMETABLE AS A 9<sup>th</sup> COURSE**

### WORK EXPERIENCE 12

**MWEX-2A/MWEX-2B**

Course consists of approximately 100 hours of work experience (job shadow or volunteer), creating a resume, employer and self-evaluations, and completing a work experience report. See Career Counselors for more information.

### COMMUNITY SERVICE LEARNING 12

**YSEVC2A-CS**

Providing students with a connection to their community. Students take initiative to be active community members developing their leadership skills. This course is for students with 100 hours of community service outside of Work Experience 12.

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## PMSS HOCKEY ACADEMY

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### PACIFIC RIM HOCKEY ACADEMY 8

**MPHE-08-HK**

### PACIFIC RIM HOCKEY ACADEMY 9

**MPHE-09-HK**

### PACIFIC RIM HOCKEY ACADEMY 10

**YLRA-0G-HS**

### PACIFIC RIM HOCKEY ACADEMY 11

**YLRA-1A-AH**

### PACIFIC RIM HOCKEY ACADEMY 12

**YLRA-2A-AH**

PRHA (Pacific Rim Hockey Academy) and Pitt Meadows Secondary offer this program to give students the opportunity to balance educational requirements and to develop hockey skills. Open to students in grades 8 to 12, students enrolled in Hockey Academy receive required credit for their grade-level PHE8, PHE9 and PHE10 through this course. In addition to Hockey activity, students will complete the health component of PHE 8-10 through package content and learning opportunities provided through guest speakers.

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## DISTRICT ACADEMIES

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**Additional programs available at SD42 Secondary Schools ([www.sd42.ca/academies](http://www.sd42.ca/academies)):**

- **Co-ed Basketball Academy** Westview Secondary
- **Dance Academy** Thomas Haney Secondary
- **Digital Arts** Maple Ridge Secondary (Must be enrolled at MRSS)
- **Equestrian** Thomas Haney Secondary
- **Hockey** Pitt Meadows Secondary
- **Interdisciplinary Arts** Garibaldi Secondary
- **International Baccalaureate** Garibaldi Secondary
- **Soccer** Westview Secondary

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## SECONDARY SCHOOL APPRENTICESHIPS

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### **Apprenticeship Training Programs Grade 12**

School District No. 42 and various post secondary institutions and trades training organizations have joined together to offer apprenticeship training programs to grade 12 students and adult learners. Students going into grade 12 now have the option to graduate PLUS get first year post-secondary certification and apprenticeship training in one year and with no tuition fees! If you are already working you can take part in the **Secondary School Apprenticeship Program**. You can earn 16 credits for working.

Note: You are also able to enter into one of Trades programs at the same time. Anyone interested in these programs please call:

Steve Wiebe at 604.318.9792 (email: steven\_wiebe@sd42.ca) or Brad Dingler at 604.626.1176 (email: brad\_dingler@sd42.ca)

All students must apply to gain admission to Youth Train in Trade Partnership Programs by March 31, 2021. Qualified students will be accepted based on the following criteria: academic achievement, work habits, attitude, attendance, and date of application. Students are advised to apply early as there are limited seats available. Typically, program applications exceed availability. Partnerships are with BCIT, Kwantlen Polytechnic University and Vancouver Community College. The following programs are available:

- **Automotive Service Tech** (BCIT) at WSS
- **Carpentry Level I** (KPU) at SRT
- **Construction Carpentry** (KPU) at GSS
- **Culinary Arts** (VCC) at SRT
- **Plumbing/Pipefitting** (KPU) at GSS
- **Metal Fabrication** (BCIT) at SRT
- **Electrician Level I** (BCIT) at GSS
- **Hairstylist** (VCC) at SRT
- **Horticulture** (KPU) 1 semester only (Spring/Summer) at KPU Langley
- **Marine Fitter**
- **Iron Worker** (BCIT) at BCIT Burnaby
- **Auto Body Refinishing** (BCIT) at BCIT Burnaby
- **Heavy Duty Mechanic** (BCIT) at Annacis Island
- **Aircraft Maintenance Engineer** (BCIT) at Richmond
- **Millwright** (KPU) at Cloverdale
- **HVAC** (BCIT) at BCIT Burnaby
- **Welder** (KPU) at Cloverdale

If you have questions, please speak to **Mrs. McArdle** downloaded in the Career Centre or at

[Apprenticeship.sd42.ca](http://Apprenticeship.sd42.ca)