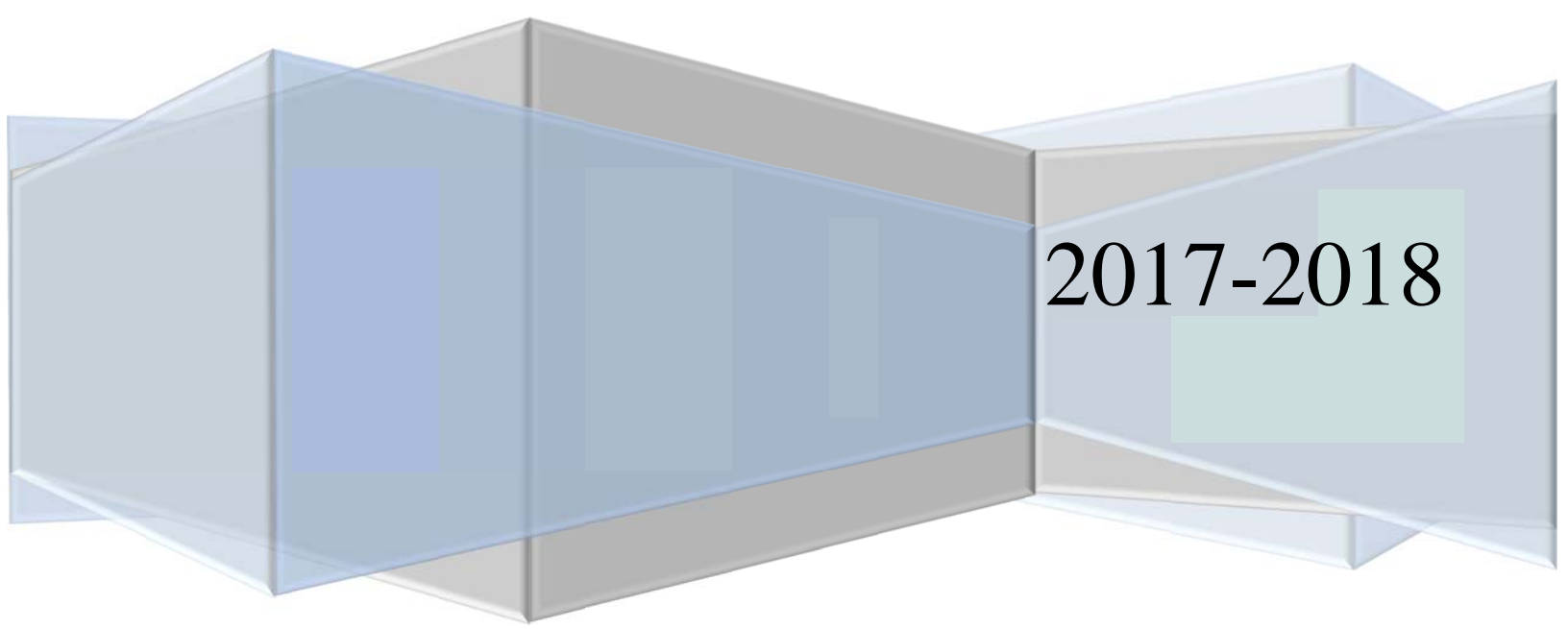


EMCS

COURSE SELECTION BOOKLET

Grades 9

emcs.sd62.bc.ca



2017-2018

GENERAL INFORMATION

NEW OFFERINGS FOR 2017/18

We are very pleased to offer the following new courses for the upcoming school year.

Robotics 10: This course will be open to all grades. Please see course description in our Technology section.

SEMESTER SYSTEM

Edward Milne is a semestered school, meaning that the school year is divided into two halves - September to January and February to June. Students take four courses in each semester, the first four are finished at the end of January, and the next four begin in February. **It is critical, particularly for our grade 9's who are unfamiliar with this system, for students to stay up to date with their work as they will fall being twice as fast as a non-semestered school.**

EARNING COURSE CREDITS FOR EXTERNAL LEARNING

A number of Graduation Program Policies allow students to earn graduation credits for high-level outside learning. Students who wish to pursue or who already qualify for External Courses, Equivalency, Independent Directed Studies, and Challenge should consult their school counsellor for more information, or **visit the Ministry of Education's website at www.bced.gov.bc.ca/graduation/information**. See a counsellor for more information.

THE EMCS CERTIFICATE OF DISTINCTION

The EMCS Certificate of Distinction recognizes distinguished achievement by highly motivated self-directed students. To earn this recognition, students must complete the British Columbia Certificate of Graduation known as the Dogwood Diploma plus an additional 20 credits. Pursuing excellence is the essential component of the EMCS Certificate of Distinction experience.

REGULAR ATTENDANCE & SUCCESS

In accordance with the School Act of British Columbia, all students are required by law to attend all classes in which they are registered. **When students are absent, parents should notify the school by email, telephone or note**, and send the students' individual teachers an email or note. Persistent unexplained absences may trigger an intervention by school counsellors or administrators.

Attending classes is an important element in gaining, understanding, and questioning knowledge. Extended periods of absence should precipitate a conversation with teachers, counsellors or administrators in order that information and assignments can be passed back and forth so that a minimum amount of a student's education is disrupted. Attendance matters.

SCHOOL CHARGES

Some of the costs at Edward Milne could include: purchasing a school yearbook, participating on school athletic teams, playing basketball, participating in prom and participating in the grad ceremony. Costs will be published once they are approved by the Board.

ENTRANCE TO POST SECONDARY INSTITUTIONS

Students and parents are responsible for selecting courses that meet post-secondary admission. Every program and institution may have different entrance requirements, and these requirements change frequently. For up-to-date information, students should log on to their career cruising account. They should also visit the website of the post-secondary schools of interest.

COUNSELLING SERVICES

The counsellors at Edward Milne are experienced teachers with extra training and experience in counselling. This allows them to assist students with career and educational planning and to help students work towards solutions for personal problems.

How can your counsellor help you?

- Personal counselling for issues such as depression, stress, anxiety, relationship concerns, family conflict, substance abuse, self-esteem, etc.
- Academic advising and scheduling
- Career exploration
- Post-secondary planning
- Transition and orientation information and support for incoming students
- Referral to outside agencies
- Information regarding special opportunities e.g. Encounters with Canada, Rotary-sponsored adventures, Shad Valley and student travel.

ABORIGINAL EDUCATION

Do you identify as being First Nations, Métis or Inuit? We can provide assistance if you have Status or Non-status or any aboriginal ancestry at all.

The EMCS Aboriginal Education Department provides the following:

One on one instruction.

A quiet room for concentration.

Qualified staff who can help you get the credits needed for graduation.

The use of our computers to research, write and print your school work.

An academic focus linked to classroom learning.

Strategies needed to be successful in the classroom.

Instruction using the “Aboriginal Ways of Learning” and learning styles for your particular needs.

The “Aboriginal Ways of Knowing” to help you learn.

Help with transitions for courses, programs, and post-secondary education.

MATHEMATICS

Students obtaining less than a C+ in Math 9, or Foundations of Math & Pre-Calculus 10, or 11 Pre-Calculus have a risk of failure at the next grade level. It is recommended that these students discuss the options with their counsellors including the possibility of repeating the course or switching pathways.

Important Note to Students Entering Grade 9 Math:

EMCS offers two choices at the Grade 9 level. It is extremely important that you enroll in the course that best suits your abilities. Your choices are Introductory Mathematics 9 or Mathematics 9

Please study the math map and read the descriptions of the above courses very carefully to help you make the best decision.

Important Note to Students Entering Grade 10 Math:

EMCS offers two choices at the Grade 10 level representing the two math pathways through high school. Your choices are Apprenticeship and Workplace Math 10 or Foundations of Mathematics and Pre-Calculus 10. Please read the details for these courses as well as the following general descriptions of the two pathways.

Important Note to Students Entering Grade 11 Math:

Most of you are already familiar with the math pathways leading through high school. Your choice will depend on your math background (courses you took in Math 9 and 10) as well as your current career plans. (also see the math map in this booklet)

Apprenticeship and Workplace Math 10 & 11:

This pathway is designed for students who have considerable difficulties in math. In general, the content stresses basic skills and relevant math. Apprenticeship and Workplace 11 fulfills the math requirement for graduation; however, the credits for this course are **NOT** accepted by universities or many college programs. Please see your counsellor for vocational / trades entrance requirements.

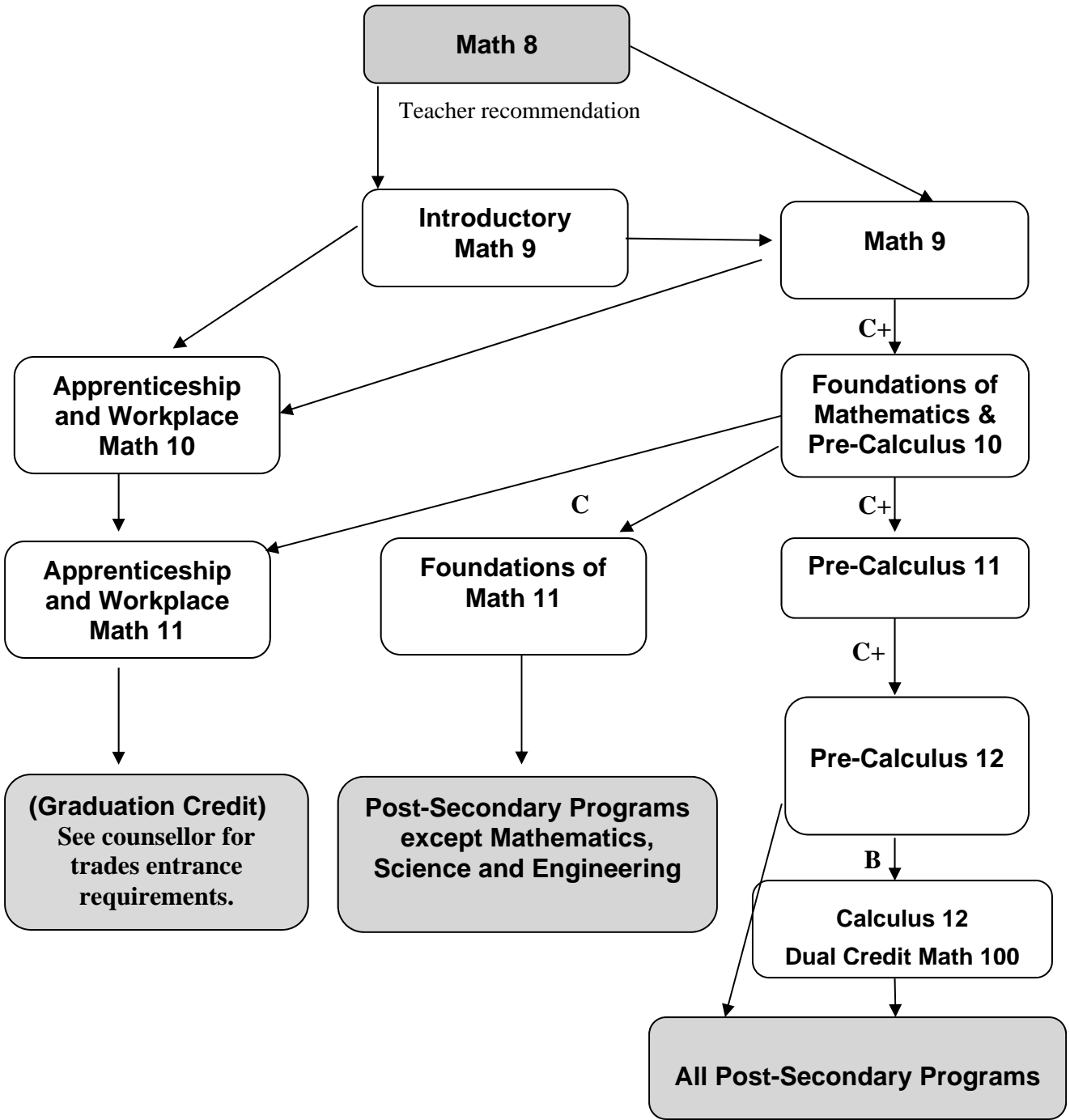
Foundations of Mathematics 11:

This pathway is designed for students who are planning on entering post-secondary education in disciplines not requiring the abstract maths of pre-calculus. Please note that all institutions are different and requirements may vary; it is the responsibility of the student to know what the math requirements are for his or her intended program of study.

Pre-Calculus 11 & 12:

This pathway is best suited for students who are comfortable with the more abstract (academic) approach to mathematics. Students with career ambitions in mathematics, science, engineering or computer science **MUST** take this pathway.

Students earning less than a C+ in any math course are advised either to repeat the course or switch pathways.



FRENCH IMMERSION

The French Immersion courses are offered in Grades 9, 10, 11 & 12. Students may choose to participate in a three-month or one month reciprocal exchange with a family in a French speaking area of the world. In the last few years, we have had students from our school participate in an exchange with France, and with Quebec. The benefit from an international educational experience can be incredible for all involved.

With the successful completion of the French Immersion Programme, students will earn their **Dual-Language Dogwood Diploma**. This is useful for post-secondary application and for employability opportunities. The Ministry of Education requires the following minimum of instruction time at each grade level in order to be recognized as an official French Immersion program.

<u>Grade 9</u>	<u>Grade 10</u>	<u>Grade 11</u>	<u>Grade 12</u>
38% 3 of 8 courses	50% 4 of 9 courses	25% 2 of 8 courses	12 1/2% 1 of 8 courses

PHYSICAL EDUCATION

“People need to be active to be healthy” *Canadian Society for Exercise Physiology /Health Canada*

The goal of the EMCS Physical Education Department is to provide a safe, secure and positive environment for students to learn to be physically active. We endeavour to accomplish this by providing a wide variety of sport and recreational activities that allow students to stay active thereby improving their personal level of physical fitness. Studies by the Canadian Association of Physical Education and Recreation have demonstrated that students participating in quality Physical Education activities gain the following benefits:

- IMPROVED ACADEMIC PERFORMANCE
- BETTER OVERALL HEALTH HABITS
- POSITIVE SELF ESTEEM
- IMPROVED SOCIAL SKILLS
- FEWER AGGRESSIVE TENDENCIES
- DECREASED SUSCEPTIBILITY TO STRESS

Physical Education classes at Edward Milne make a unique contribution toward the total education of our students, and are a means for stimulating mental, social and physical growth.

Requirements and Equipment

Students are required to wear appropriate PE clothing for all class activities. The strip students choose to wear should be comfortable, and allow for full participation in all class activities. It

should also be different from what the student wears to school each day so that dirty or wet strip does not create a problem in other classes. Separate runners and socks are a bonus since these items have a tendency to get wet during outside activities. Shower facilities are available to all students.

TECHNOLOGY EDUCATION

Technology Education builds self-confidence and capability. Students learn to solve technological problems, work safely and cooperatively with others, and develop hand and machine tool skills for use in today's growing world. Some students will take Technology Education for self-expression and general interest, while others will use it as gateway into a career in trades. EMCS has offerings that cater to every type of student and skill level.

CAREER CENTRE SERVICES

The Career Centre is located in Student Services beside the counselling suite. The Work Experience Coordinator and the Career Programs Coordinator can assist the students in the following areas:

- Completion of Grad Transition requirements
- Work experience placements and career exploration opportunities
- SSA –Secondary School Apprenticeship opportunities
- ACE-IT- Accelerated Credit Enrolment in Industry Training options
- SIP- South Island School District Partnership
- TEAC 105 is a course that provides an introduction to careers and basic skills in electronics, computer sciences, civil and mechanical engineering. This course is offered Friday afternoons at Interurban Camosun College campus.
- Resume building
- Coaching on basic employability skills, such as cover letters, dress, work ethic, and interview skills.
- Career Information nights for parents and community
- Paid community positions for FMF Cape Breton (DND), and Department of National Defence Food Services Department
- Volunteer positions in the community
- Field trips to Camosun College, Tectoria, Department of National Defence, University of Victoria, and Victoria School District Career Fair

* If you are finding the trades course you desire is not offered, consider taking a Foundations Course offered at Camosun College. This is a wonderful opportunity to get dual credits from Edward Milne Community School and Camosun College and further your career.

English

MEN--09 ENGLISH 9

The goals of English 9 are to begin the development of language proficiency in reading, writing and oral communication. Students will be able to demonstrate their understanding of concepts and ideas in varying forms of literature and develop abilities to draw conclusions and defend them sensibly. As well, this course will expose students to the conventions of the language so that they will be able to edit, revise and reorganize their work. Improved use of the language will also develop students' understanding of how language works and allow them to use it purposefully to communicate with others. As well, being able to read, view and listen to a variety of different texts to which students respond through visual, written and oral means adds to the ability to synthesize ideas, draw conclusions and make connections. Assessment: A school exam worth 20% of the final mark is a requirement of this course.

CREDIT: 0 TYPE: English GRADE: 9

Mathematics

MMA--09 MATHEMATICS 9

The topics for the grade 9 math course include polynomials, exponent laws, income, rational numbers, linear relations, proportional reasoning, statistics and financial literacy. A basic scientific calculator is necessary. A basic scientific calculator is necessary. Assessment: Homework, tests, quizzes and projects may form part of the assessment for this course. The fundamental skills covered in Math 9 and 10 become the foundation upon which the senior courses are built. Obtaining a strong foundation in Math 9 and 10 helps to ensure success in the quite challenging grade 11 and 12 Math courses.

CREDIT: 0 TYPE: Math GRADE: 9

XLDCB091MA INTRODUCTORY MATHEMATICS 9

Introductory Mathematics 9 is a Board authorized course designed for students who had some difficulties in Math 8 and need to solidify their basic skills before proceeding to Mathematics 9 or Apprenticeship and Workplace Math 10. Introductory Mathematics 9 reinforces many of the concepts developed in Math 8 (integer operations, fractions, decimals, order of operations) and introduces material to prepare the student for Mathematics 9 (rational expressions, algebra and geometry). Reading comprehension is a portion of this course and will form part of the assignments. This course is offered in the first semester so that students can take Mathematics 9 or Apprenticeship and Workplace Math 10 in the second semester. It is strongly recommended that students who had difficulty with Math 8 take Introductory Mathematics 9. Assessment: Homework, tests, quizzes and projects may form part of the assessment for this course.

CREDIT: 0 TYPE: Math GRADE: 9

Science

MSC--09 SCIENCE 9

This course includes a study of processes of Science. Through projects, assignments and laboratory explorations, the following Big Ideas are studied: • Biology: Cells are derived from Cells. • Chemistry: The electron arrangement of atoms impacts their chemical nature. • Physics: Electric current is the flow of electric charge. • Earth Science: The biosphere, geosphere, hydrosphere, and atmosphere are interconnected, as matter cycles and energy flows through them. Assessment is based on assignments, lab reports, tests and a final exam.

CREDIT: 0 TYPE: Science GRADE: 9

Social Studies

MSS--09 SOCIAL STUDIES 9

The aim of social studies is to develop thoughtful and responsible citizens who are able to research information, consider multiple perspectives, and defend a position. This course will focus on historical events between the years 1750 to 1919. Course content will include: • political, social, economic, and technological revolutions • the continuing effects of imperialism and colonialism on indigenous peoples in Canada and around the world • global demographic shifts, including patterns of migration and population growth • nationalism and the development of modern nation-states, including Canada • local, regional, and global conflicts • discriminatory policies, attitudes, and historical wrongs • physiographic features of Canada and geological processes Assessment for the course is based on a variety of written assignments, tests, projects, and presentations.

CREDIT: 0 **TYPE:** Social Studies **GRADE:** 9

French Immersion

FFRAL09 FRANÇAIS LANGUE 9

Raconte, Nouveau Code Grammatical, related reading materials and novels.

CREDIT: 0 **TYPE:** French Immersion **GRADE:** 9

FSCF-09 SCIENCES 9

This course includes a study of processes of Science. Through projects, assignments and laboratory explorations, the following Big Ideas are studied: • Biology: Cells are derived from Cells. • Chemistry: The electron arrangement of atoms impacts their chemical nature. • Physics: Electric current is the flow of electric charge. • Earth Science: The biosphere, geosphere, hydrosphere, and atmosphere are interconnected, as matter cycles and energy flows through them. Assessment is based on assignments, lab reports, tests and a final exam.

CREDIT: 0 **TYPE:** French Immersion **GRADE:** 9

FSCHF09 SCIENCES HUMAINES 9

Origines Canada. Using a variety of print and other media, the Social Studies 9 course explores the multi-disciplined nature of this subject. The following five organizers or themes run through the course: 1. Applications of Social Studies - students identify a problem or issue; gather, interpret, analyse, and present information, and practise active citizenship. 2. Society and Culture - students focus on the relationship between aboriginal people and Europeans, and their respective roles in Canada's development. 3. Politics and Law - students will develop an understanding of colonialism, nationalism and imperialism; the revolutions in England, France and America; Canada's political and legal roots. 4. Economy and Technology - students will develop an understanding of economic systems; exploration, trade and settlement; the growth of the fur trade, and the Industrial Revolution. 5. Environment - students will look at the geographical regions of North America and the impact of the physical environment on trade and settlement. Assessment: 80% - class assignments, projects, participation and chapter tests. Final exam – 20%

CREDIT: 0 **TYPE:** French Immersion **GRADE:** 9

Physical Education

MPHE-09 PHYSICAL AND HEALTH EDUCATION 9

The objectives of the Physical Education 9 course are to expose students to a variety of physical activities; to instruct students in the basic rules, strategies and skills of team, individual and recreational sports and to build upon and improve personal levels of physical fitness. A variety of team, dual and individual and alternative environment activities will be offered depending on weather, field conditions and availability of facilities. Active Health concepts are also part of the grade 9 curriculum and cover such topics as basic human anatomy and physiology, active living, stress management, cardio pulmonary fitness, nutrition, and healthy lifestyles.

CREDIT: 0 **TYPE:** Physical Education **GRADE:** 9

Hockey Academy

MPHE-09HOC PHE 9 HOCKEY

This is an exciting program which is aimed at enhancing a students' educational experience by providing an opportunity at school to enjoy a sport they love. With the recent in-school academy initiative of Hockey Canada, we are proud to partner with their development programs and offer the EMCS Hockey Academy in Semester 1, September to end of January. The academy schedule consists of three on-ice sessions per week. Each on ice session includes specific technical and tactical skill instruction in a small group setting as well as small area games. Specific on ice units focus on power skating, puck control, passing, shooting, offensive tactics and developing defenseman. The remaining academy schedule consists of strength training classes, classroom sessions with focus on hockey theory, sports psychology, health living, nutrition etc. Field trips to area training centers are included. The aim of the Academy is to enhance personal skill development through added ice time with quality mentorship and instruction in a safe, fun and enjoyable learning environment. Small group instruction as well as individual attention and ideal ice times help in furthering the development and leadership potential of each participant. With the focus kept on the individual player's skills, all ages and abilities at the Bantam and Midget level are able to participate together while enjoying the Academy. Both boys and girls have found the program personally challenging, rewarding and fun. If you are a committed student who aspires to the next level or one who plays for the enjoyment of the game the academy can work for you. Some of the highlights of the program include:

- The teacher vs. students hockey game with the entire school in attendance.
- Training sessions at the North Langford Recreation Center at Bear Mountain Resort. Spin, cross-fit, SPARQ training and circuit training.
- Dry-floor training and ball hockey.
- Special guest instructors; including Jr.A level coaches
- Exciting other activities and trips may include bowling, swimming and golf.

COURSE NOTE: Cost of program is \$600 plus \$85 registration fee. These fees are subject to change. A screening criteria is used to ensure suitability of students to program (this is not based on hockey skill). Space is limited.

CREDIT: 0 **TYPE:** Hockey Academy **GRADE:** 9

COREQUISITES: If you take this course, you must also take YHRA-0BHOC – Junior Hockey Athletic Training 9

YHRA-0BHOC JUNIOR HOCKEY ATHLETIC TRAINING 9

Hockey 9 is a companion course to PE 9 Hockey. All students in the program must take both. Please see PE 9 Hockey for course description.

CREDIT: 4 **TYPE:** Hockey Academy **GRADE:** 9

COREQUISITES: If you take this course, you must also take MPHE-09HOC - PHE 9 HOCKEY

Soccer Academy

MPHE-09SOC PHE 9 SOCCER

The focus of the Soccer Academy is to develop and enhance individual soccer skills, as well as to provide mental and physical training both on and off the field. Students will meet the outcomes of Physical Education – Soccer 10/11/12 and Sports Psychology 11. Students will spend 2 blocks in their second semester in the soccer academy, and will be enrolled in regular academic courses for the other blocks. Students will learn the basic components of fitness training, nutrition, injury prevention, physiology, anatomy, leadership skills, soccer strategies, time management, goal setting, sport psychology and coaching philosophies. Students will also take a Physical Education Soccer course that will emphasize on-field training where students will excel at various soccer skills including ball control, passing, shooting, crossing, positional play, defensive and offensive principles, game analysis, systems of play and the fundamental rules of the game (FIFA rules). Students will increase their athletic ability with various fitness training techniques which will improve agility, speed, endurance and mental discipline. The Soccer Academy will count towards graduation credits. There will be instruction from credited coaches and semi-professional players. Training sessions will take place on EMCS school fields, as well as Westhills soccer fields – Bear Mountain Athletic Club. The EMCS Soccer Academy has partnered up with the Highlanders Victoria Soccer Club. Guest coaches, fitness trainers and goalie clinics TBA. COURSE NOTE: The cost of program, which covers special coaching clinics, videos, travel costs and other miscellaneous items, is \$400 plus \$85 registration fee. These fees are subject to change. A screening criteria is used to ensure suitability of students to the program. Students cannot carry an 'N' as an effort mark in any of their classes if they want to be enrolled in the Soccer Academy or remain in the academy. **COURSE NOTE:** The cost of program, which covers special coaching clinics, videos, travel costs and other miscellaneous items, is \$400 plus \$85 registration fee. These fees are subject to change. A screening criteria is used to ensure suitability of students to the program.

CREDIT: 0 **TYPE:** Soccer Academy **GRADE:** 9

COREQUISITES: If you take this course, you must also take YHRA-OBSOC – Junior Soccer Athletic Training 9

YHRA-OBSOC JUNIOR SOCCER ATHLETIC TRAINING 9

This is the companion course to PE 9 Soccer. All students in the program must take both. Please see PE 9 Soccer for course description.

CREDIT: 4 **TYPE:** Soccer Academy **GRADE:** 9

COREQUISITES: If you take this course, you must also take MPHE-09SOC - PHE 9 SOCCER

French

MFR--09 FRENCH 9

French 9 is geared around communication, information, creative works, and cultural learning outcomes. Students build communication skills, for meaningful day to day conversations, while learning to speak in the past, present, and future tenses. Various authentic sources are used for students to organize information and explain this information in oral, visual, as well as written forms. French 9 students experience and respond to creative works from the Francophone world – French 9 features classroom learning concepts, reading comprehension, written exercises, as well as quizzes and tests. The main learning concepts include the partitive article, the pronoun “EN”, comparisons, futur proche, and passé composé (Avoir & Être). The overall French 9 mark is derived from a combination of class activities (lesson warm -ups, homework/classwork, speaking) and evaluation (quizzes, tests, and exams).

CREDIT: 0 **TYPE:** French **GRADE:** 9

PREREQUISITE: RECOMMENDED PREREQUISITE: FRENCH 8

Spanish

MSP--09 SPANISH 9

Spanish 9 is taught using a communicative/experiential approach. Emphasis is on vocabulary building, pronunciation and developing interpersonal communication skills. Various authentic sources are used in order for students to gain an appreciation of Spanish culture, music and literature. Themes may include leisure activities, family, school, sports and food. All four aspects of language learning will be evaluated (speaking, listening, reading and writing) through projects, tests, quizzes and oral presentations.

CREDIT: 0 **TYPE:** Spanish **GRADE:** 9

Learning Support

YPA--ODSTR JUNIOR LEARNING STRATEGIES FOR SUCCESS

Learning Strategies is a course for Grade 9 students who require additional support and practice to enhance their learning and success in school. Work ethic, study skills, and learning strategies are developed.

COURSE NOTE: Permission from Counsellor and/or Student Support Services is required to take this course. Contact your School Counsellor for more information.

CREDIT: 4 **TYPE:** Learning Support **GRADE:** 9

Other / Special

YCPA-OCCON CONNECTIONS 10

The Connections class is a challenging, yet supportive environment where students can acquire the strategies that will enable them to: 1. fulfill their academic potential, and 2. excel in Pre-AP, AP and Dual Credit courses. Connections is a rigorous program of instruction in academic "survival skills" and university level entry skills, designed to create a college-going culture. Lessons are designed to provide active, high-interest learning and address the diverse learning styles of all students. High achievement is attained through instruction that is both motivating and relevant. Sample topics include: Critical Reading and Writing strategies, Vocabulary development, Cultural Literacy, Great Books, Study Skills, Test Taking Strategies, Organization and Time management, Collaborative Study Groups, Binder Organization Skills, Note taking using the Cornell notes method, Socratic Seminars, Problem solving and Decision-making skills • Tutorials: One class a week, students work in subject-specific tutorial groups, probing material deeply through a variety of inquiry methods • Motivational Days: Every 2 weeks, one class is devoted to exposing students to various university and career choices through guest speakers, campus visits and other various field trips.

COURSE NOTE: This course is for Grade 9 students only.

CREDIT: 4 **TYPE:** Other / Special **GRADE:** 9

Drama Music & Film

MDRG-10 DRAMA 10:GENERAL (BEGINNING)

This is a fast paced introductory course. In first term, students will develop their skills and have a great time through theatre games, improvisations and scene work. In second term, the focus shifts to encompass play building, scripted scene work and characterization. Beginning Drama 10 has proven to be a very popular course over the years. Students have fun and learn a lot. Bring energy! Final performance for the public at the end of semester. Some out of class rehearsals are required.

CREDIT: 4 **TYPE:** Drama, Music & Film **GRADE:** 9-10

MDRR-10 DRAMA 10: THEATRE PERFORMANCE (ADVANCED)

This program is for students who have taken Beginning Drama and are looking to advance their skills. It moves easily from theatre games, mime and improvisation to the “heart of acting” character work. Students will also have the opportunity to create their own scenes and short plays. This challenging, enjoyable course leads to a wide variety of options for Grade 11. Final performance for the public occurs at the end of the semester. Some out of class rehearsals are required.

CREDIT: 4 **TYPE:** Drama, Music & Film **GRADE:** 9-10
PREREQUISITE: MDRG-10 - DRAMA 10:GENERAL (BEGINNING)

MMCB-10Y INSTRUMENTAL MUSIC: CONCERT BAND 10

This course is an ensemble of brass, woodwinds, and percussion instruments that performs a variety of musical styles. Strings students are also welcome. Classes focus on technique, cultural and historical context, creativity, and general musicianship. This course is open to all students, regardless of music experience. Rehearsals take place after school. Home practice is required as part of this class.

COURSE NOTE: Students will also be registered in (and receive credit for) Symphony 10 (YVPA-OCSYM) This course takes place outside the timetable.

CREDIT: 4 **TYPE:** Drama, Music & Film **GRADE:** 9-10

MMJB-10Y MUSIC 10: JAZZ BAND

This is a Year Long course. Student will learn instrumental Jazz through the performance of ‘Big Band’ arrangements of a variety of jazz styles including swing, funk, Latin and ballads. Students are encouraged to listen to recordings, copy the great players and ultimately develop their reading and improvising ‘chops’ on their instrument. Some high-energy music can be heard during this class! Participation in performances is required at times throughout the year. Assessment: Written work, playing tests, practice records, performance and participation. Final Examination: None Material Cost: Instrument rental (some instruments are available through the school). Students must purchase any other supplies such as reeds, valve oil, sticks, etc. Recommended Pre-requisite: Minimum 2 years band experience, private instruction or permission of the instructor. It is strongly recommended that students also be registered in Concert Band.

CREDIT: 4 **TYPE:** Drama, Music & Film **GRADE:** 9-10

MVAM-10 FILM 10

This is a great introductory course to take if you are interested in the art of film making. Basic concepts from pre-production to post-production of short films will be covered through many hands-on projects.

CREDIT: 4 **TYPE:** Drama, Music & Film **GRADE:** 9-10

YVPA-OBMTH MUSICAL THEATRE 10

This course is designed as an introductory course into the wonderful world of Musical Theatre. Students will explore the components of Musical Theatre and most aspects of production and performance techniques. Singing ability is not a requirement for this course, but time will be spent on vocal training. This is a project-based course. Juniors will work with senior students to develop a quality performance for the public at the end of the semester. Please Note: This is a course that requires commitment for successful completion. After school rehearsals in May and part of June are mandatory. Students enrolled in this course will also receive additional credit for Vocal Music 10 (YVPA-OEVM)

CREDIT: 4 **TYPE:** Drama, Music & Film **GRADE:** 9-10

YVPA-OCSYM SYMPHONY 10

Students enrolled in Concert Band 10 will also be enrolled in this course.

COURSE NOTE: This course takes place outside the timetable.

CREDIT: 4 **TYPE:** Drama, Music & Film **GRADE:** 9-10

Visual Arts

MVAD-10 STUDIO ART 10 PRE-AP

A challenging introduction into Studio Art, this course is designed for the student who is considering entering the AP program or wants more than the general course. It is an excellent bridge between Visual Arts 10 and AP 11. Pre AP goes beyond the foundations of art and provides an introduction to higher level studio techniques, methods, and materials, as well as portfolio development. A sketchbook is required. This course is part of a Pre-AP Pathway.

CREDIT: 4 **TYPE:** Visual Arts **GRADE:** 9-10

MVAG-10 VISUAL ARTS 10: GENERAL

This course advances the study of the foundations of art and introduces a variety of new media. Students will be involved in drawing, painting, graphic arts, sculpture, ceramics and photography through the use of everything from pencil and paper to anything they can get their hands on. They will be encouraged to challenge themselves through new media and greater independence in the studio setting. A sketchbook is required.

CREDIT: 4 **TYPE:** Visual Arts **GRADE:** 9-10

Information Technology & Business

MINT-10 INFORMATION AND COMMUNICATION TECHNOLOGY 10

Information Communication Technologies (ICT) 10 is an Applied Design, Skills, & Technologies course for students curious about Computer Science and Web Development. ICT encompasses evolving processes, systems, and tools for creating, storing, retrieving, and modifying information. As students design, share, and adapt knowledge in critical, ethical, purposeful, and innovative ways, they gain perspective on the long-term implications of life in a digital, connected world and develop literacies to responsibly take ownership of such technologies to augment learning and benefit society. In ICT 10, students will research, observe, and apply knowledge to develop skills and competency in the following areas: Coding/Programming; Computer Studies (i.e., hardware/software); Video Game Design; Productivity Tools (e.g., word processor, spreadsheet, presentation, photo editing); Typing; and Web development. Computers used will be Intel-based PC's workstations running Windows 7. The course is open to students of all levels and abilities.

CREDIT: 4 **TYPE:** Information Technology & Business **GRADE:** 9-10

Home Economics

MFDN-10 FOODS & NUTRITION 10

Explore the cuisine of BC while you gain basic cooking and baking skills. Learn nutrition know-how

beyond fast foods. Recipes will vary from baking to full meal preparation. Kitchen activities will include quick breads, cookies, cakes, soups, pastas, light lunches, healthy snacks, vegetarian items and ethnic meals. Students will learn about food systems issues for Vancouver Island and beyond while learning how to make informed decisions about the food they buy and consume. Students will also explore seed to plate through hands-on activities in the school garden and visits to local farms. Assessment: 70% practical 30% theory (written assignments)

COURSE NOTE: We are pleased to offer the option to complete FOOD SAFE LEVEL ONE CERTIFICATION in the grade 9/10 foods and nutrition classes. A fee of \$18.50 will apply.

CREDIT: 4 **TYPE:** Home Economics **GRADE:** 9-10

MTXT-10 TEXTILES 10

Are you interested in textiles, clothing construction, knitting, quilting, hand stitch work and up-cycling your wardrobe? This course provides an introductory level in a variety of Fibre Art techniques, including basic sewing, weaving, knitting, dyeing, simple pattern-making of wearable garments and non-wearable artwork. Fabric and fiber care will be studied, as well as colour and design, consumerism and the culture and history of the Textiles and Fibre Art Industry. Sew cool! Supplies for individual projects may be required.

CREDIT: 4 **TYPE:** Home Economics **GRADE:** 9-10

Technology Education

MTED-10 TECHNOLOGY EDUCATION 10: DRAFTING & DESIGN

Drafting 10 introduces students into the exciting and challenging skill of graphic communication. Students will learn to “read” drawings of objects and make their own plans using professional drafting programs such as Vectorworks or AutoCad. Learning to draw following industry conventions is a skill that can help you pursue one of many careers including such diverse occupations as the building construction trades, engineering, interior design, retail supply sales, architecture, landscape design and advertising, among countless others. This course will include: • Preliminary freehand sketching of basic geometric shapes • An introduction to standard drafting conventions • The possibility for enrichment practice creating 3 dimensional objects. Assessment: based on the intended learning outcomes as described in the course outline.

CREDIT: 4 **TYPE:** Technology Education **GRADE:** 9-10

MTEE-10 TECHNOLOGY EDUCATION 10: ELECTRONICS

This course provides a solid introduction to the field of analog and digital electronics. The projects and exercises are composed of basic skills that bring out the genius within all of us. Components are introduced as you build working circuits. These circuits are modified and analyzed to help explain the function of the components. It's all hands on. You will build four major projects: A flashing LED circuit, a sound producing circuit, a microcontroller controlled robot, and a final Arduino project of your choice. With all the projects that you make you will learn to produce your own printed circuit boards using a CAD program and a toner transfer process. Some of the projects will also utilize basic C programming language in order to add logic and control. All electronics classes can be pursued as an interest only or may lead well into Commercial/ Residential/ Marine Electrician, HVAC, Automotive Electrical Technician, Computer/IT, and Engineering careers among others.

CREDIT: 4 **TYPE:** Technology Education **GRADE:** 9-10

MTEG-10 TECHNOLOGY EDUCATION 10: GENERAL

Technology Education 10 General is offered to give participants a variety of experiences without

committing to a whole semester in one specialized shop area. Instead you will be exposed to a number of Technology Education environments which may include: * Drafting- board drafting, Autocad, and Vectorworks (industry standard drafting software) * Woodworking – hand and machine tool safety and use, basic joinery, woodworking processes * Metalworking – hand and machine tool safety and use, welding and sheet metal processes * Electronics – pcb design, soldering, electricity and component function. In each shop area a project will be the focus of the activity. It is intended that all students will be able to complete the project and take it home if the materials are purchased. Technology Education 10 General is an excellent choice if you want some exposure to the courses offered at EMCS in Tech Ed but are unsure of which area you feel you want to get started in.

CREDIT: 4 **TYPE:** Technology Education **GRADE:** 9-10

MTEG-10R ROBOTICS

Robotics Level A for Grade 10 Robotics 10 introduces grade 10 students to the field of robotics. The projects and exercises are designed to allow students to learn through a series of step-by-step projects and self-directed challenges. You will learn the fundamentals of design and construction for autonomous and radio controlled robots from components and kits. This course will introduce sequences for designing and making a functional robot, robot elements, block-based coding or logic-based coding, programming platforms and flow charts related to robot behaviours. This course will also include fundamental drafting skills and project planning. Projects will include making a remote control and autonomously controlled Sumo-bot using Arduino, assembling Vex Robots to accomplish a variety of tasks and designing and fabricating basic robotics parts using 3D printers, laser cutters, and/or CNC equipment. Fundamental drafting skills will be introduced during this course. This is a hands-on class that will challenge you to think and create fantastic robots.

CREDIT: 4 **TYPE:** Technology Education **GRADE:** 9-10

MTEM-10 TECHNOLOGY EDUCATION 10: METALWORK

Metal is the backbone of today's technology. Because of its great strength, durability and versatility, metal is everywhere. Would it not be great to learn how to use and manipulate this fabulous material? Through the machining and fabrication of a variety of assigned and student selected projects, students will learn the safe and correct use of hand, portable and stationary metalworking power tools. Students will have the opportunity to use various welding processes such as Oxy-Fuel, MIG and to cut metals using plasma. Basic forge work (Blacksmithing) is also included in this course. By the end of this course students will have the skills and confidence to tackle and solve many projects and problems involving metal.

CREDIT: 4 **TYPE:** Technology Education **GRADE:** 9-10

MTEW-10 TECHNOLOGY EDUCATION 10: WOODWORK

Students design and manufacture marketable, quality products of softwood and hardwood using traditional/contemporary machine and joinery processes. This program offers a comprehensive overview on the safe and correct use of hand, portable and stationary power tools. Project activities will help students gain skills in the design process, planning and estimating, and fabrication and finishing of wood products. Students will explore their creativity, while simultaneously gaining life-long skills in one of the most interesting and widespread of materials. This course includes: * Introduction/review of safe tool use and operation while building a cutting board * A lathe project of choice such as a bowl, nut dish or pen. * Introduction to mortise and tenon construction through completion of a small table * Construction of a decorative box that uses basic panel construction and splined mitre joinery * A project of choice limited by time constraints and skill level. The course is designed to give students a broad range of woodworking skills. Mastery of these basic skills will allow students in more advanced levels to build projects independently and challenge themselves with their own designs and complex creations. All woodworking and joinery classes can be pursued as an interest only or may lead well into Commercial/ Residential Construction, Joinery, Boat Building/ Marine Trades, and Engineering careers among others.

CREDIT: 4 **TYPE:** Technology Education **GRADE:** 9-10

METAL FABRICATION 12: ART METAL & JEWELLERY

Jewelry making processes such as casting techniques, applying patinas and a variety of jewelry industry metal manipulation processes will be learned and applied in creating finished jewelry pieces. This course also allows students to design and fabricate medium to large Art Metal sculpture using both hot and cold processes. Focus will be on design and fabrication. There is also a strong emphasis on shop safety. Students create three assigned jewelry pieces before they venture into creating pieces of their own designs and chosen process direction. For very ambitious students, this course offers an AP 3D Design Portfolio Option.

CREDIT: 4 **TYPE:** Technology Education **GRADE:** 9-10

Life Skills / Modified

XSIÉPOA LIFESKILLS PROGRAM 9 TO 12

Lifeskills is a holistic program for students possessing developmental and/or intellectual challenges. This course is tailored to the individual needs of the learner. Students are provided with activities meant to increase independence in daily living activities, problem-solving skills, and to facilitate social skill development. The Student Development Centre encourages pre-employment skills, work experience, numeracy and literacy skill development. Selection for this program is made through the Student Support Services Department.

CREDIT: 0 **TYPE:** Life Skills **GRADE:** 9-12