



Grade 9

Course Selection

Booklet

2024 – 2025

Mission Statement: To partner with students, parents and the community to build a safe, supportive and challenging learning environment that enables people to make a living, make a life and make a difference.

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WELCOME TO EMCS

Welcome to EMCS, home of the Wolverines and a community dedicated to supporting student success. We value the strong relationships with staff, students, parents, and community that supports an environment where we strive to have students feel welcome, valued, and have a sense of belonging within their school community. EMCS has many features including a 350-seat theatre, an excellent full-service cafeteria, and a beautiful indoor and outdoor setting.

A wide range of course offerings from high level academics, including a French Immersion program; applied design skills and technology courses; ECO Academy, Environmental Sciences and Marine Biology electives; three athletic academies; and a variety of performing and visual arts programs. EMCS is a great place to build a solid foundation for your future.

COMMUNICATION, CONTACTS AND SUPPORT

EMCS Website: <https://emcs.web.sd62.bc.ca/>

Please visit the website for up-to-date information including: school contacts, announcements, resources, Parent Advisory Council, bell schedule, accessing report cards, attendance, etc.

EMCS APP: <http://emcsappazur.com/>

Students and parents are encouraged to download the EMCS “Wolverine” app.

Phone: 250-642-5211

Email: emcs@sd62.bc.ca

Principal: Mike Bobbitt mbobbitt@sd62.bc.ca

Vice Principals:

Todd Powell (students with last names A to L) tpowell@sd62.bc.ca

John Mennie (students with last names M to Z) jmennie@sd62.bc.ca

Counsellors:

Jessica Crockett (students with last names A to L) jcrockett@sd62.bc.ca

Allan Phipps (students with last names M to Z) aphipps@sd62.bc.ca

Na'tsa'maht Indigenous Education Teacher: Kristi Schaefer kschaefer@sd62.bc.ca

Inclusive Education Services: Robyn Walker (department head) rwalker@sd62.bc.ca

COURSE PLANNING (GRADE 9)

For more information on BC's Curriculum visit <https://curriculum.gov.bc.ca/>

Grade 9 (English Program)

1. Career Education 9
2. English Language Arts 9
3. Mathematics 9
4. Science 9
5. Social Studies 9
6. Physical and Health Education 9
7. Elective: _____
8. Elective: _____
9. Elective: _____

Grade 9 (French Immersion Program)

1. Career Education 9
2. *Francais Langue 9 **
3. English Language Arts 9
4. *Mathematiques 9 **
5. *Sciences 9 **
6. *Sciences Humaines 9 **
7. Physical and Health Education 9
8. Elective: _____
9. Elective: _____

** courses taught in French*

Additional optional courses offered outside of the timetable:

- Band 9
- Choral Music: Chamber Choir 10
- Instrumental Music: Jazz Band 10
- Leadership 9
- Theatre Production 10

COURSES FOR GRADE 9 STUDENTS

Note that most of the elective courses available to Grade 9 students are Grade 10 courses. All the courses listed below are available to students in Grade 9.

CAREERS

CAREER EDUCATION 9 (MCE--09)

Grade 9 students will explore Careers in their academic classes. They will focus on reflecting on their preference and skills, the value of work in our communities, the importance of effort and perseverance to achieve goals, the importance of flexibility to adapt to economic and labor markets, and the importance of our personal, community and educational choices.

ENGLISH

ENGLISH LANGUAGE ARTS 9 (MEN--09)

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 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.

MATH

MATHEMATICS 9 (MMA--09)

Mathematics 9 is a required course which covers a wide range of topics. The skills covered in mathematics 9 and 10 become the foundation upon which the senior mathematics courses are built. Success in future mathematics courses is largely dependent on a solid understanding of the concepts of mathematics 9. Topics: operations with rational numbers, exponents, linear relations, proportional reasoning, statistics and financial literacy.

INTRODUCTORY MATHEMATICS 9 (XLDCB09IMA)

Introductory Mathematics 9 is a course designed for students who had some difficulties in Math 8 and need to solidify their basic skills before proceeding to Mathematics 9. 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

some students may proceed to Workplace Math 10 by special arrangement with their counselor. It is strongly recommended that students who had difficulty with Math 8 take Introductory Mathematics 9.

SCIENCE

ECO ACADEMY 9

SCIENCE 9 ECO (MSC--09ECO) AND FOOD STUDIES 10 ECO (MSTX-0AECO)

This is an exciting cohort-based academy that explores scientific and food systems issues alongside skills associated with ecology, community, and experiential place-based learning! It is open to all Grade 9 and 10 students. Students will actively participate in an immersive interdisciplinary program, focused on the central themes of Eco-literacy, Community, Experiential Learning, and Global and Local Food Systems. Learning will be rooted in curricular outcomes, with high standards for extending inquiry, collaboration, and self-direction. Learning programs will be aligned with the seasons and local Indigenous 13 Moons calendar. In addition to face-to-face instruction, students will also complete and receive additional credit for two yearlong JDF DL courses. Academy Fee: (\$515 est.), including administrative fee.

MARINE BIOLOGY 10 (YPLS-0B)

Marine Biology 10 is an academic elective designed for students who are interested in studying the oceans, its diverse habitats and the many forms of sea life. This course offers students an opportunity to do detailed studies on marine creatures suited to their interests; learn how organisms and environments are studied, protected, and given exposure to careers in marine sciences. Topics include: - Marine Mammals: dolphins, seals & whales - Marine Ecology: food webs, plankton & seaweed - Extreme Environments (Abyss & Hot Vents); Creatures of the Deep - Sharks & Fishes: cookie cutter sharks to puffer fish; shark dissection - Beach Studies: critters found in tide pools, rocky and sandy shores. Field studies to local beaches, aquarium care, and active participation are part of the curriculum. Course work includes: lab work, dissections, lectures, research and internet projects. It is strongly recommended that students interested in this course have a keen interest in Science. EXAMPLES OF FIELD TRIPS: Beach clean-up; whale watching; tide pooling; specimen collecting. Course Fee (subject to Board approval): \$50.00.

SCIENCE 9 (MSC--09)

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, inquiry-based projects, lab reports, tests and a final exam.

SOCIAL STUDIES

SOCIAL STUDIES 9 (MSS--09)

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.

PHYSICAL AND HEALTH EDUCATION

GOLF SKILLS 10 (YHRA-0AGLF)

This course is open to beginners and experienced golfers. Students will golf at Demamiel Creek Golf Course 3 times per week. Students will also visit the driving range. Additionally there will be putting practice & short game practice. The course will offer both individual and group instruction.

Low cost: approximately \$75.

The course request list will be screened by PE teachers, and only students who have demonstrated responsibility, positive attitude, and good work habits will be able to participate.

HOCKEY ACADEMY

PHYSICAL AND HEALTH EDUCATION 9 HOCKEY (MPHE-09HOC) & JUNIOR HOCKEY ATHLETE TRAINING (YHRA-0BHOC)

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 defensemen. 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 teachers 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 \$640 plus \$115 registration fee, fees could be 10% higher depending on registration in each Academy program. A screening criteria is used to ensure suitability of students to program (this is not based on hockey skill). Space is limited.

PHYSICAL AND HEALTH EDUCATION 9 (MPHE-09)

The objectives of Physical & Health Education 9 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. There is an emphasis on certain health topics which high school students may benefit from. Topics covered in this course include: healthy relationships, substance abuse, vaping, sexual decision making, bullying, technology and teens, sexual orientation, and anxiety and depression. These are all current and relatable topics which can help many students to better manage their lives. 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.

SOFTBALL ACADEMY

PHYSICAL AND HEALTH EDUCATION 9 SOFTBALL (MPHE-09SOF)

Softball academy is open to students in Grades 9-12 and is completed within the school timetable. Previous experience is not mandatory but is helpful. The academy will be a combination of on field, classroom, and weight room instruction.

The softball academy is committed to the student's growth as a student and athlete. We want our students to develop a strong commitment to skill development, and a high standard of personal responsibility and behaviour. Our objective is to provide formal training opportunities within an academic setting, demonstrating excellence through commitment. In addition to softball skills, we will expose students to individuals who can help develop student's personal wellness, mental strength, and transitional opportunities.

Course Fee: approx. \$630 pending review and approval from the Board of Education.

If you have questions if this is a good fit for your student, please reach out to:

Kayla Natarelli Softball Academy Teacher (knatarelli@sd62.bc.ca)

This is an academy program. Please also complete the registration on the SD62 Academies website:

<https://www.sd62.bc.ca/programs-services/academies>

SOCCER ACADEMY

PHYSICAL AND HEALTH EDUCATION 9 SOCCER (MPHE-09SOC) AND JUNIOR SOCCER ATHLETE TRAINING (YHRA-09SOC)

The EMCS Soccer Academy is offered to any students interested in increasing their technical soccer skills and knowledge of the game. Previous experience in soccer is recommended, but a skill level proficiency is not a requirement for the general program. The Academy strives to improve individual skills, game knowledge and overall enjoyment of the game. The program requires a strong commitment towards player development and a high standard of both personal responsibility and behavior. The objective of the Soccer Academy is to provide formal training opportunities from local High-Performance coaches within the academic setting of the school. The program invites players from Sooke and the local area as well as multiple International students yearly, creating an exciting learning environment. The Academy runs within blocks during the regular school schedule and includes strength and conditioning, fitness and game strategy instruction. In addition to soccer training, we assists students in the development of personal wellness and consistently expose them to professionals who can provide transitional opportunities for them. Regardless of skill level and performance background, the program offers varied instruction geared towards the improvement of players coming from Gold, Silver, Bronze or BCHPL experience levels. The Academy runs from

September to June and will be a combination of “on-field” and “classroom” instruction. *The cost of the academy is \$725 per year.*

If you have any questions, please email District Academies Principal, Wayne Kelly (wkelly@sd62.bc.ca).
To register, please click on the following link: <https://www.sd62.bc.ca/programs-services/academies>

SUPERFIT STRENGTH & CONDITIONING 10 (YLRA-01)

This course has been developed for those students wanting a more comprehensive course in modern strength and conditioning principles. It allows students to develop an individual FITNESS program based on their specific conditioning needs in different sports, and activities. Students will learn principles in such techniques as weight training, agility, and balance training, nutrition, and energy system usage and apply them to a self-designed program suited to their specific needs. The Fitness and Conditioning Program offers progressively more challenging options for senior students. Students will be expected to develop and implement an individual strength and conditioning program.

SECOND LANGUAGES

FRENCH 9 (MFR--09)

French 9 is taught using a communicative/experiential approach through storytelling, where students choose the stories' details. Emphasis is on vocabulary building, pronunciation, grammar, and developing interpersonal communication skills. A research project and various sources are used to gain an appreciation of francophone culture, music, and literature. Themes include basics, travel, food, and an inquiry topic of the student's choosing. All four aspects of language learning will be evaluated (speaking, listening, reading, and writing) through projects, tests, quizzes, and oral presentations. Active participation is required throughout the course.

SPANISH 9 (MSP--09)

Spanish 9 is taught using a communicative/experiential approach through storytelling, where students choose the stories' details. Emphasis is on vocabulary building, pronunciation and developing interpersonal communication skills. A research project and various sources are used in order for students to gain an appreciation of Spanish culture, music and literature. Themes include basics, travel, food, and an inquiry topic of the student's choosing. All four aspects of language learning will be evaluated (speaking, listening, reading and writing) through projects, tests, quizzes and oral presentations. French Immersion students in gr. 9 may choose to begin at the Spanish 10 or Spanish Intro 11 level. Active participation is required throughout the course.

SPANISH 10 (MSP--10) *Open to French Immersion Students during Grade 9*

Spanish 10 is taught using a communicative/experiential approach. Emphasis is on vocabulary building, pronunciation and developing interpersonal communications skills. Various authentic sources are used in order for students to gain an appreciation of Spanish culture, music and literature. Themes may include family celebrations, home life, community, shopping and travel. All four aspects of language learning will be evaluated (speaking, listening, reading and writing) through projects, tests, quizzes and oral presentations. It is recommended that French Immersion students begin Spanish at the grade 10 level. **(Pre-requisite: Spanish 9)**

FRENCH IMMERSION

FRANCAIS LANGUE 9 (FFRAL09)

Français Langue 9 is a French Immersion course used to develop French language skills and to learn about French-speaking cultures of the world. With a focus on Québécois culture and literature, this course involves the practice of oral and written compositions, reading comprehension, grammar and general French communication. Various media will be used highlight various aspects of French culture and communication, including the use of novels, films, movies, music and other forms of literature. Being an Immersion course, students, will be required to learn everything in French and to express themselves exclusively in French.

MATHEMATIQUES 9 (FMTHF09)

Mathématiques 9 is a French Immersion course designed for students to develop their mathematical conceptual, application and problem-solving skills. In addition to learning about mathematical patterns, students will be using problem-solving strategies as a way to develop a deeper mathematical intuition. Topics of focus include exponents, rational numbers, linear relations, polynomials, geometry and statistics. The development of mental math, the use of logic in puzzles and games, and the clear communication of writing mathematical steps will be emphasized. Just like other French Immersion classes, students will be required to learn everything in French and to express themselves exclusively in French.

SCIENCES 9 (FSCF-09)

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.

SCIENCES HUMAINES 9 (FSCHF09)

Exploring Canadian and World history between 1750 and 1919, the Social Studies 9 curriculum for BC encourages students to understand how Canada came into existence and why Canadian attitudes and values are relevant in our world today. Students will look at a variety of topics such as: why revolutions happen, the continuing effect of colonialism on Indigenous peoples, and the delicate balance between jobs, resource use, and protecting the environment. EMCS emphasizes the inquiry process and critical thinking skills and promotes individual choice and varieties of meaningful projects with real world connections. Social Studies 9 will inform students and help them identify how they can affect change now and, in the future, as active global citizens.

ARTS EDUCATION

BAND 9 (XBA--09) *Outside Timetable Course*

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 before/ after school. In addition to an instrument (many rentals available through the school), home practice is required as part of this class. This course takes place outside the timetable.

CHORAL MUSIC: CHAMBER CHOIR 10 (MMUCH10) *Outside Timetable Course*

Chamber Choir is open to all grade 10 students interested in learning to sing in a ensemble setting. Students will learn proper singing techniques, how to sing in harmony with others, and be a part of a musical ensemble. There is no experience required and no prerequisite. Students do not need to be able to read sheet music but this will be a part of the curriculum. At-home practice and consistent attendance is expected and there will be at least two performance opportunities.

DANCE FOUNDATIONS 10 (MDCF-10)

This Introduction to Dance class is for those students have not taken dance, or have taken a minimal amount of dance. It is perfect for anyone wanting to get their feet wet in the world of dance in a low stress, non-competitive environment. We will be focusing on a few main areas of dance, including ballet form, contemporary, jazz, and hip hop, as well as flexibility and strength training and conditioning. This will be a very fun class with opportunity for public performance at the end of the semester.

DRAMA 10 (MDRM-10)

Drama 10 is an introduction to the world of theatre. We work on ensemble building and skill development through theatre games, storytelling, character work, script work, and play building. We delve into various types of theatre styles and perform in class often. There is an optional public performance at the end of the semester for family and friends to attend.

ENTREPRENEURSHIP AND MARKETING 10 (MADEM10)

Have you ever had a great idea for an art product that you thought you could sell? In this “Concept to Cash” basis course, develop, create and sell art products. Students will be able to choose between directed and self-directed projects through which they will research market trends in art objects and sustainable methods of creating and marketing products. Individually and in a team model, students will develop a brand, create business plans, design art objects, and create products that are unique. Students will promote and market their products in a school “pop up” market.

INSTRUMENTAL MUSIC: JAZZ BAND 10 (MMUJB10) *Outside Timetable Course*

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. Vocalists, guitar, piano, bass, drums and winds welcome. 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.

FILM 10 (MVAM-10FLM)

If you ever dreamed of making movies or if you have ever wondered what it would be like to make movies, this is your chance to explore the incredible, powerful world of filmmaking. This course will introduce young film makers to camera techniques, film script writing, acting for the camera and editing. It will take students step by step through the process of creating a film from the initial idea to the final

product. Basic concepts from pre-production to post-production of short films will be covered through many hands-on team projects.

MEDIA DESIGN 10: DIGITAL ART & PHOTOGRAPHY (MMEDD10)

Does the world around you capture the inner photographer within? In this fast-paced, multi-faceted course, you will learn the basics of Photography, Digital Art and Yearbook. You will become part of the Yearbook Staff working in one or more of the following areas; design, photography, digital art, journalism and/or advertising. You may play an role in creating a memorable Yearbook that your fellow classmates will cherish for years to come. You will learn the following basic skills necessary for publishing a yearbook such as; page design and layout, creative and skilled photography, journalism, copy writing and editing, graphic design programming (InDesign, Canva) word processing, advertising and distribution. You will learn basic photography techniques such as; setting an advanced camera, posing, lighting, aesthetics, creative and artistic techniques, special effects using props and editing (Adobe Photoshop/Lightroom). You will go off-site to do photoshoots on location. You will learn basic digital art by completing projects using original and stock photos to create unique Digital Art pieces. Your final project is to build an online portfolio-based website.

MUSICAL THEATRE 10 (MMUTH10) *You must also select Vocal Music 10.*

Musical Theatre 10 is a class that rehearses and performs our musical each year. It begins with reading through the show for the year, auditioning and rehearsing the show, and performing it in the spring. Students will learn and develop valuable skills in acting, singing solo and choral work, dance choreography, and audition preparation. Students will also have opportunities to engage in Theatre Crew work for costumes, props, stage management, and technical theatre if they choose to do so. This course is a full year course and is combined with Vocal Music 10 and requires some time after school for rehearsals. A substantial commitment is required for successful completion of the course. (Pre-requisite: none but relevant experience is an asset. **Co-requisite: Vocal Music 10.**)

THEATRE PRODUCTION 10 (MDRD-10) *Outside Timetable Course*

Theatre Production offers training and skill development in the various areas of theatre crew, such as: stage management, lighting design, sound design and working with live sound, prop making, set painting, and costume design and creation, and front of house. Students will be introduced to these various aspects of backstage crew and choose one to focus on to support the major student production that happens in the spring. This is a Year Long course outside the timetable.

VISUAL ARTS: PHOTOGRAPHY 10 (MVAPH10)

Photography 10: 35mm Manual Film

Are you interested in film photography? Does the world around you capture the inner photographer within? In this fast-paced, multi-faceted course, you will learn the basics of black and white dark room photography. You will learn basic photography techniques such as; setting a manual camera, composition, elements and principles of design, lighting, aesthetics, creative and artistic techniques. You will also learn basic dark room techniques from pin hole cameras and creating photograms to developing your 35mm negatives and creating enlargements in the dark room.

VISUAL ARTS: ART STUDIO 10 (MVAST10)

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.

VOCAL MUSIC 10 (YVPA-0EVM) *You must also select Musical Theatre 10.*

This is the vocal course that is a companion course to Musical Theatre 10. Students take Vocal Music 10 in first semester and Musical Theatre 10 in second semester. **(Co-requisite: Musical Theatre 10)**

APPLIED DESIGN, SKILLS, AND TECHNOLOGIES (ADST)

COMPUTER STUDIES 10 (MCSTU10)

Computer Studies 10 is an Applied Design, Skill, & Technologies course for students curious about Computer Science and Web Development. The course encompasses evolving processes, systems, and tools for creating, storing, retrieving, and modifying information. Students will design and share projects, think critically, and develop literacies for using technology in beneficial ways. In Computer Studies 10, students will research, observe, and apply knowledge to develop competencies in the following areas: Coding/Programming; Computer Studies (i.e. hardware/software, digital data, the internet); Video Game Design; Productivity Tools (e.g., spreadsheets, presentation, photo editing); Typing; and Web development. This course is open to students of all levels and abilities.

DRAFTING 10 (MTDRF10)

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.

ELECTRONICS AND ROBOTICS 10 (MTEAR10)

Electronics and Robotics 10 introduces students to the basics of robotics and electronics. The projects and exercises are designed to allow students to learn through a series of labs, step-by-step projects, and self-directed challenges. 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. You will learn the fundamentals of design and construction for autonomous and radio-controlled robots from components and kits. This course also provides an introduction to the field of analog and digital electronics. Components are introduced as you build working circuits. These circuits are modified and analyzed to help explain the function of the components. 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 arduinos and basic C programming language in order to add logic and control. This is a hands-on class that will challenge you to think and create fantastic robots and exciting electronics projects.

FOOD STUDIES 10 (MFOOD10)

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)

METALWORK 10 (MTMET10)

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.

SUSTAINABILITY 10 (YRNR-0A)

In this course, students will begin to explore the connections between sustainable lifestyle choices, self-sufficiency, healthy food systems, and sustainable local and global communities. Students will be involved in a combination of research, projects, seed to table gardening, sustainability labs, and discussions. The EMCS school garden, greenhouse, and orchard will be highly integrated into this course, and students will connect with local food producers. Hands-on learning will focus on collaborative cooking, baking, and horticulture as these trades are introduced.

TEXTILES 10 (MTXT-10)

Are you interested in creating modern, fashionable and unique textile pieces with a focus on sustainability and eco-friendly materials? This course provides the History, Culture and fundamentals of fiber art techniques for fashion, home design and mixed media art. Indigenous guest speakers and elders will highlight the importance of Fibre Arts throughout history by integrating traditional textile projects and techniques. Learn the basics of many fiber art techniques, including; basic sewing, art quilting, mending, weaving, modern macramé, knitting, crocheting, felting, spinning, leatherwork, textile design and dyeing. Step into the world of Fashion Design and learn how to bring your fashion sketches to life by learning pattern making techniques and clothing upcycling and fabrication. An introduction to Costume Design and the opportunity to create costumes for the Musical Theatre Production are embedded into the course. Begin each unit with a mini-project to learn the introductory techniques and then create a unique major project designed by you during weekly studio time. Art and design fundamentals will be interwoven into the fabric of this course. Elders and guests will focus on celebrating the traditions and techniques of Indigenous culture as we create traditional pieces. Eco-friendly practices and sustainability are interwoven into the course.

WOODWORK 10 (MWWK-10)

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.

LEADERSHIP

LEADERSHIP 9 (XLEAD09) *Outside Timetable Course*

This course is designed for Grade 9 students to gain experience with social and civic responsibility along with providing them with an introduction into effective leadership styles and methods. It is run outside the timetable throughout the year through after-school and lunchtime meetings and involves volunteer activities. Considerable emphasis is on individual project work. This is a tremendous opportunity for students who want to contribute to the life of the school and community. **COURSE NOTE:** This class takes place outside the timetable. Registration in the course is contingent upon the recommendation of Grade 8 staff.

EMCS ONLINE COURSES

Visit the [Online Learning section of the EMCS website](#) (under the *Counselling* top tab) for information. Students wishing to take an online course in Grade 9, please have a parent/guardian contact the appropriate EMCS School Counsellor.

GRADE 9 BLENDED LEARNING PROGRAM

Families with children in Grade 9 have the option to enroll their child in a blended learning program for the 2024/2025 school year. Blended learning is a mix of online and face to face learning and is offered through SD62's Secondary Schools' Online Learning Hubs. This program is an option for full-time Grade 9 students. Please note that students in the Blended Learning program will NOT be registered in classes at EMCS.

Program Highlights:

- Full time program that follows the school year
- Four days online, one day in-person
- Full curriculum covered

- Morning instruction with independent learning time in the afternoon
- Location for in-person learning will vary based on activities planned for the day
- Morning and afternoon check ins with teacher
- Students with Inclusive Education Plans (IEPs) will receive support to help them meet their IEP goals.

Please contact the appropriate EMCS Counsellor if you are interested in registering for the Blended Learning program.