

Dover Bay Secondary School

Home of the Dolphins



COURSE CATALOGUE 2022-2023

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PROGRAM PLANNING

Explore your interests, challenge yourself and find your future path!

In this guide, you will find the information you need to design your high school program to meet your future career and education goals. Opportunities are abundant; follow your interests and find your future! Dover Bay offers a variety of courses that explore Humanities, Science, Math, Technology, Languages, Fine Arts, Trades and Business. Carefully selecting courses will prepare you for college, university, trades and workplace careers. There are many ways to build a high school program. Check out external credits, trades training opportunities, university enrichment courses, language challenge exams, work experience and apprenticeship options, distance learning and Dover Bay's Performing Art Academy.

GRADUATION REQUIREMENTS

Requirements for graduation are specific and are outlined in the chart below. Students must carefully plan their programs to ensure that graduation requirements are met and that they have selected the pre-requisite courses for post-secondary Education. Students need 20 courses to graduate. Courses in bold are mandatory.

Grade 10	Grade 11	Grade 12
English 10	English 11	English 12
Socials 10	Socials 11 or 12	Elective 12
Science 10	Science 11 or 12	Elective 12
Math 10	Math 11	Elective 11 - 12*
PHED 10	Elective 10 - 12*	Elective 11 - 12*
Career Life Education	Elective 10 - 12	Elective 11 - 12
Elective 10 – 11	Elective 10 - 12	Elective 11 - 12
Elective 10 – 11	Elective 10 - 12	Elective 11 - 12
Gr. 10 Numeracy Assessment	Career Life Connections 12 A	Career Life Connections 12 B
Gr. 10 Literacy Assessment		Gr. 12 Literacy Assessment

*UNIVERSITY AND COLLEGE REQUIREMENTS

University admission requires English 12 plus three to five Academically Approved courses. Be sure to check out the entrance requirements for the college or university program you are interested in attending.

PERSONALIZING YOUR PROGRAM

Dover Bay Performing Arts Academy

The Performing Arts Academy is designed for aspiring actors who wish to participate in an enriched performing arts education. The program develops acting skills and knowledge of theatre and film. Students will develop competitive auditioning skills and a professional portfolio to prepare them for a career and education in the performing arts. Students are encouraged to take additional courses in Dance and Theatre Production.

Other District Academies

Secondary specialized academies provide students with an opportunity to pursue their areas of interest while completing their academic studies. Students participating in an academy, attend the school the academy is offered at. Information about the academies, deadlines and how to apply, are available on the Nanaimo Ladysmith Public Schools website: [Registration Information](#)

Secondary Academies:

- Hockey Academy at NDSS (lottery)
- Soccer Academy at NDSS (lottery)
- Jazz Academy at Wellington (audition)
- Beach Volleyball Academy at NDSS (lottery)
- **Performing Arts Academy at Dover (audition)**
- Lacrosse Academy at NDSS (tryouts)

Island ConnectEd

Island ConnectEd is a distance learning school in NLPS. It provides students with an opportunity to learn independently and to access courses that may not fit their timetable or that are not currently being offered at Dover Bay. Island ConnectEd has a classroom within Dover that has a Teacher and a Computer Assisted Learning Tutor available to support students with their course work. Please note that distance learning courses taken in grade 12, that are pre-requisites for post-secondary, often must be completed before January 31. Check to be sure.

Independent Directed Studies

Independent Directed Studies allows students to initiate their own learning under teacher supervision. The IDS program allows students to pursue learning outcomes that extend beyond those normally taught in the classroom. To participate in an IDS course, a student must have

demonstrated the ability to work independently, and to have their directed studies plan approved by the principal.

District Programs - Career Pathways

Careers and Technical Center (CTC) programs allow students to learn more about “in demand” jobs, gain work-based training, and/or earn post-secondary training while attending high school. A significant labour shortage in British Columbia is projected over the next ten years, just under a million job opportunities are expected. To learn more about our programs, contact the CTC at 250-754-2447 or email: ctc@sd68.bc.ca or visit <https://www.ctc-careerpaths.ca/programs/> or click on one of the programs in blue below.

1. DUAL CREDIT – YOUTH TRAIN IN TRADES and CERTIFICATE PROGRAMS

Students take this program during their Grade 12 year and should apply during Grade 11. Successful applicants are sponsored and do not pay tuition fees. Students are required to pay for application fees, activity fees, books and supplies. Students normally graduate at the same time as their peers and receive a post-secondary credential in addition to their high school diploma. The following programs are offered: **(Highlighted take place outside Nanaimo)**

Applied Business Technology for Administrative Assistant | Legal Secretary| Accounting Assistant| Aircraft Maintenance Technician | Automotive Service Technician | Automotive Collision Repair | Automotive Refinishing | Baker | Carpenter | Professional Cook Level 1 and 2 | Iron Worker | Machinist | Electrician | Hairdresser | Heavy Duty Mechanic | Heavy Equipment Operator | Dental Assistant | Education Assistant | Health Care Assistant | Plumbing | Horticulture | Information Technology & Applied Systems | Motorcycle/Marine Technician | Marine Service Technician | Refrigeration Mechanic – HVAC | Welder

Students are encouraged to consult with their school counsellor or CTC Advisor about this graduation option during their grade 10 or 11 year. Although basic requirements vary from program to program, a passion for trades training or applied skills program is considered a

minimum standard for program. Applications are accepted ongoing until the program(s) is full. Some applicants must complete a VIU assessment prior to consideration.

2. YOUTH EXPLORE TRADES SAMPLER

The Trades Sampler Program(s), offered at the VIU campus, provide a hands-on experience in a variety of in-demand trade careers (i.e. welding, carpentry, electrical, motorcycle and marine technician, auto service technician, heavy mechanical trades, etc.) The deadline for applications is early December, however, waitlist applications may be considered if received after this date. A Student Transition Plan will be developed between the student and CTC program advisor; this plan will identify graduation requirements and the transition plan from high school to the workplace and/or post-secondary training. See our website for more details and deadlines. There may be an all-female and/or an all-Aboriginal cohort offered.

3. DUAL CREDIT – ENRICHMENT - VIU

Qualified students are awarded the highest priority for registration to almost all first-year courses. Information sessions and pre-registration usually opens in early February and closes in March. The Dual Credit Enrichment Program offers high school students the opportunity to complete Vancouver Island University courses during their grade 12 year. Student must meet all VIU prerequisite to be eligible. Approved applicants are selected and contacted in April to register for the VIU classes. Students can enroll in up to two courses per semester and four courses per year. **The courses must lead to a specific occupation.** The school district sponsors (pays) tuition and students are responsible for all other costs such as the application fee, student fees, student activity fee, materials, textbooks, etc. It is important to discuss this option with a counsellor, parent, VIU advisor and CTC advisor. See the website for more details and current deadlines.

4. YOUTH WORK IN TRADES

The Youth Work in Trades Program offers students the opportunity to get a head start in a career in the trades, complete post-secondary Trades Training and earn credits towards their high school Graduation Certificate. This program is open to youth ages 14 – 19 years. High school course credits begin when the student is registered with the Industry Training Authority (ITA) with an approved ITA employer sponsor and the application package has been approved. These courses are completed outside of the

regular school schedule, such as evenings, weekends and school breaks. The student will earn 4 credits for completing 120 work hours and required pre-employment related assignments. The student can earn up to 4 courses or 16 credits. On successful completion the student is eligible for a \$1000 ITA Award to assist the apprentice with the purchase of tools, equipment, etc. Registration is ongoing

ENGLISH

In the English Language Arts curriculum, all six of the language arts elements (reading, listening, viewing, writing, speaking, and representing) are connected and used in each course. Each of the courses offered will be an English Language Arts class with a different emphasis. English First Peoples (EFP) focuses on Indigenous expression and voice and is guided by the first Peoples Principles of Learning. The academic demand is equal in both ELA & EFP classes. You can find more information at the following website: <https://curriculum.gov.bc.ca/curriculum/10-12#ela>.

English 10

English 10 courses consist of **Composition 10**, paired with a focus area of the student's choice.

Composition 10 MCMPS10

Is designed for all grade 10 students in order to develop their skills in written communication in a variety of contexts. The course provides students with opportunities to think critically as they explore, extend, and refine their writing. Content may include narrative, expository, descriptive, persuasive, and/or opinion pieces. Students will work individually and collaboratively to explore and create coherent, purposeful compositions and essays.

With a Focus in:

NEW! English First Peoples 10 MEFNM10

Is designed for students who are interested in exploring varied experiences, values, beliefs, and lived realities of First Peoples as shown in various forms of text – including oral storytelling, poetry, prose, song, stand-up comedy, dramatic works, film and other digital narratives. The course focuses on global and social justice issues through an Indigenous lens. Students will examine the social justice opportunities presented by digital media in communicating and exchanging ideas and its impact on individuals and First Peoples communities and cultures. It includes experiential

learning, collaboration and group work, guest speakers, and field trips to connect students with local Indigenous individuals and groups.

New Media 10 MDMN-10

Is a program of studies designed to reflect the changing role of technology in today's society, and the increasing importance of digital media in communicating and exchanging ideas. New Media recognizes that digital literacy is an essential component of the educated citizen.

Literary Studies 10 MLTST10

Is designed for students who are interested in the study of literature in general. In this instance, literature could consist of a variety of texts: novels, short stories, film and/or poetry. The course allows students to go more deeply into literature as they explore specific themes, periods, authors, or areas of the world through fiction and non-fiction literary works, in a variety of media.

Creative Writing 10 MCTWR10

Is designed for students who have an interest in creative expression through language. The course provides students with in-depth opportunities to become better writers. Students will collaborate and develop their skills through the writing and design processes.

Spoken Language 10 MSPLG10

Provides opportunities for students individually and collaboratively to study, create, and use language to produce original pieces in a variety of modes. The course will provide students with opportunities for performance, oral language, professional applications, and public speaking. Spoken Language 10 will appeal to students who enjoy public performance or oral storytelling, or who want to gain more experience and skill in this area.

English 11 – With a Focus in:

New Media 11 MNMD-11

Is designed to reflect the changing role of technology in today's society, and the increasing importance of digital media in communicating and exchanging ideas. Coursework is aimed at providing students with skills vital for success in an increasingly complex digital world, by affording opportunities to demonstrate understanding, and to communicate increasingly sophisticated ideas, through a wide variety of digital and print media.

Literary Studies 11 MLST11

Allows students to delve more deeply into literature. Students may explore specific themes, periods, authors, or areas of the world through literary works (fiction and non-fiction) in a variety of media, which may include novels, short stories, film and/or poetry. Giving students the choice of a range of literary topics allows them to follow their passion.

Creative Writing 11 MCTWR11

Is designed for students who are interested in using writing for self-expression and other various creative purposes. The course provides students with in-depth opportunities to become better writers. Students will collaborate and develop their skills through writing and design processes. Creative Writing 11 is grounded in the exploration and application of writing processes, inviting students to express themselves creatively as they experiment with, reflect on, extend, and refine their writing.

Composition 11 MCMPS11

Is designed for students who have an interest in refining their skills in written communication in a variety of contexts, as they continue to explore, extend, and improve their writing. The course provides opportunities for students, individually and collaboratively to study, create, and write original, authentic pieces for diverse purposes and in diverse forms. Students will work individually and collaboratively to explore and create compositions and essays.

English First Peoples 11 MEFLS11

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 how text influences people's understanding of community, self and world view. This provides a foundation for them to think critically and creatively as they continue to explore, extend, and strengthen their own writing and recognize the role literature plays within the process of Reconciliation.

Spoken Language 11 MSPLG11

Provides opportunities for students to study, create, and use language to produce original pieces in a variety of modes. The course will provide students with opportunities for performance, oral language, professional applications, and/or public speaking. Spoken Language 11 will appeal to students who enjoy public performance, oral storytelling,

and/or who want to gain more experience and skill in this area.

English 12

English Studies 12 MENST12

Curriculum is designed to empower students by providing them with strong communication skills, an understanding and appreciation of language and literature, and the capacity to engage fully as literate and responsible citizens in a digital age. Students are guided in learning to think critically, creatively, and reflectively; to construct a sense of personal and cultural identity; and to be respectful of a range of perspectives and worldviews. **English Studies 12 is a Graduation Requirement.**

English 12 First Peoples MENFP12

Designed for all students. Students are expected to demonstrate understanding of sophisticated texts of recognized literary merit and complete challenging assignments to rigorous academic standards. This course provides students with the opportunity to study the First Peoples' texts and oral traditions. In contrast to English 12, this course is based entirely on authentic First Peoples voices including written, oral, audio, visual, cinematic, and electronic media. It recognizes the value of First Peoples' world view, and the importance of culture in language and communication.

English 12 Electives

Literary Studies 12 MLTST12

Allows students to delve more deeply into literature. Students may explore specific themes, periods, authors, or areas of the world through literary works (fiction and non-fiction) in a variety of media, which may include novels, short stories, film and /or poetry. Giving students the choice of a range of literary topics allows them to follow their passion.

Composition 12 MCMPS12

Is designed to support students in their refinement and pursuit of mastery of written communication and prepare them for the rigor of Post-Secondary academic writing. Students will read and study exemplary compositions by other writers and be exposed to a variety of styles as models for the development of their writing. The course provides opportunities for students, with increasing independence and self-sufficiency, to study, create, and write original and authentic pieces for a range of purposes and audiences using real-world applications with impact and effectiveness.

They will develop their craft through processes of drafting, reflecting, and revising to build a body of publishable work that demonstrates breadth, depth, and evidence of sophisticated and specialized writing for a range of situations.

SOCIAL STUDIES

The main purpose of the Social Studies curriculum is to develop graduates who have the knowledge, skills, and competencies to be active, informed citizens. Social Studies offers students the opportunities to build understandings and knowledge on topics found in the disciplines of history, geography, political science, and economics, with contributions from other disciplines such as sociology, psychology, and anthropology. The new curriculum places greater emphasis on developing disciplinary thinking skills through six major thinking concepts: significance, evidence, continuity and change, cause and consequence, perspective, and ethical judgment.

Today's easy access to information of uncertain quality and accuracy makes it more important than ever to teach students the skills needed to gather, assess, analyze, and synthesize information and ideas from multiple sources. Once students have gathered and analyzed information, they will use it to solve problems, make decisions, and communicate their ideas effectively.

Social Studies 10 MSS--10

The Grade 10 Social Studies curriculum maintains the same structure and format as the K–9 curriculum. The Grade 10 Social Studies curriculum finishes the historical sequence started in the new Grade 7 curriculum and finishes in the present day, with issues in modern Canadian and world history, geography, civics, and economics. It prepares students to be active, thoughtful citizens as well as having them consider issues they may want to pursue in Grade 11 and 12 Socials Studies courses. Following Social Studies 10, all students are required to take a minimum of one Social Studies course at the grade 11 or 12 level.

Senior Social Studies:

Senior Social Studies – one or more of these courses may be taken in either your grade 11 or grade 12 year.

20th Century World History 12 MWH--12

This course examines the major events of the 20th Century from 1919 to 1991. Using the themes of geopolitics, economics, ideology, social change, and the role of the individual, the course focuses on the major events of the century including the aftermath of Versailles, the Great Depression, rise of dictators, World War II, the Cold War, end of European empires, and civil rights in the United States and South Africa. **Open to both grade 11 and 12 students.**

Contemporary Indigenous Studies 12 MINST12

This course explores various cultures and worldviews of Indigenous peoples in Canada and around the world. This course focuses on the continuing impact of colonialism and the resilience and survival of Indigenous peoples in the face of inequalities. Students will learn how the identities, worldviews, and languages of Indigenous people are renewed, sustained and transformed through their connection to the land. Other topics include the ways that Indigenous peoples continue to advocate and assert rights to self-determination. Students will participate in experiential learning, collaboration and group work; they will hear guest speakers and Knowledge Keepers; and they will engage in field trips to connect with local Indigenous individuals and groups. **Open to both grade 11 and 12 students.**

Economic Theory 12 MECT-12

This course focuses on three key questions. First, why do people do what they do? Second, how did financial systems and economies come to be? And third, how do people and financial systems relate to one another? The content of this course is a combination of history, economic theory and practical, real-world information. The essentials of economics will be covered, including the role of market forces, investment and finance, command and capitalist economies, supply and demand, and how monetary systems function in the global economy. As a result, students will have greater insight into how our complex world developed the way it did and a better understanding of how to change it. **Open to both grade 11 and 12 students**

NEW! Genocide Studies 12 MGENO12

This course will focus on genocide in the 20th Century around the world, including the Armenian Genocide, the Holocaust, and the Rwandan Genocide. Using Hollywood movies, documentaries, videos, survivor testimony, fiction and non-fiction readings, students explore the causes and consequences of such tragedies. They study the significance of rescuers and resisters; the perspectives of victims and perpetrators; and examine evidence to prove

these crimes occurred. Ultimately, students learn how the international community and individuals can act legally and ethically to prevent genocide from happening again. **Open to both grade 11 and 12 students.**

Law Studies 12 MLST-12

This course presents an overview of the Canadian legal system. Emphasis is on legal rights and responsibilities that allow citizens to reflect critically on their role in society. Topics include the history of law, Canadian Charter of Rights and Freedoms, Criminal law, correctional systems and Youth Criminal Justice. Students will examine current events going on in Canada and the world. Some projects include the wrongfully accused, famous trials, prison systems, not criminally responsible defence, environmental law and a mock trial. Meets academic requirements for some university programs. **Open to both grade 11 and 12 students.**

Philosophy 12 MPHIL12

In this course, students will prepare themselves for post-secondary study by introducing themselves to many of the central issues at the foundation of the arts and sciences and will develop precise and thorough reasoning (argumentative) skills. Students will examine various approaches to some of the most straightforward questions we can ask, which turn out to be some of the most difficult to answer. Some of these questions are as follows: Who are we, and how can we know? What is it to be a person or have a mind? What makes an action morally right or wrong? How should societies be structured, and why? Is there such a thing as destiny, or do we have free will? What is beauty or the value of art? Finally, students will attempt to understand how some prominent thinkers have addressed these questions, critically assess their views, and formulate and refine their own ideas regarding these philosophical puzzles. **Open to both grade 11 and 12 students.**

Physical Geography 12 MPGEO12

This course examines the inter-relationship between people and their environment. Physical Geography includes such things as volcanoes, earthquakes, tsunamis, water, wind and ice. Time will be spent looking at the environmental impacts human activities have on the planet. This course may meet science prerequisites for some universities. **Open to both grade 11 and 12 students.**

Political Studies 12 MPLST12

The aim of Political Studies 12 is to help you become a thoughtful and engaged citizen. This course examines

political systems worldwide, including ideologies and how citizens interact with their government. Students will learn how political decisions happen and how decision-making in a democratic system is influenced by political and social power distribution. Content will include historical and current issues, including local, regional, national and international politics. The course will cover a variety of topics: digital literacy, journalism, bias, government structure, electoral processes, political spectrum, political influence, economics, global conflicts, and current global social and environmental challenges. We will also be revisiting historical lessons from the past to analyse today's current challenges closely. **Open to both grade 11 and 12 students.**

Social Justice 12 MSJ--12

The aim of Social Justice 12 is to raise students' awareness of social injustice, to enable them to analyze situations from a social justice perspective, and to provide them with knowledge, skills, and an ethical framework to advocate for a socially just world. The course includes an emphasis on action, providing opportunities for students to examine models of social change and implement strategies to address social injustice. Social Justice 12 will provide opportunities for students to examine their own beliefs and values, as well as the origins of those beliefs. In addition, it will allow them to support or challenge their beliefs and values through reflection, discussion, and critical analysis. This course builds on students' innate sense of justice, motivating them to think and act ethically, and empowering them to realize their capacity to effect positive change in the world.

The goals of Social Justice 12 are to enable students to acquire knowledge that allows them to recognize and understand the causes to injustice, apply critical thinking and ethical reasoning skills to a variety of social justice issues, develop an understanding of what it means to act in a socially just manner, become responsible agents of change, and make positive contributions toward a socially just world. This course meets the academic entrance requirements for some university programs. **Open to both grade 11 and 12 students.**

Contemporary Indigenous Studies 12 MINST12

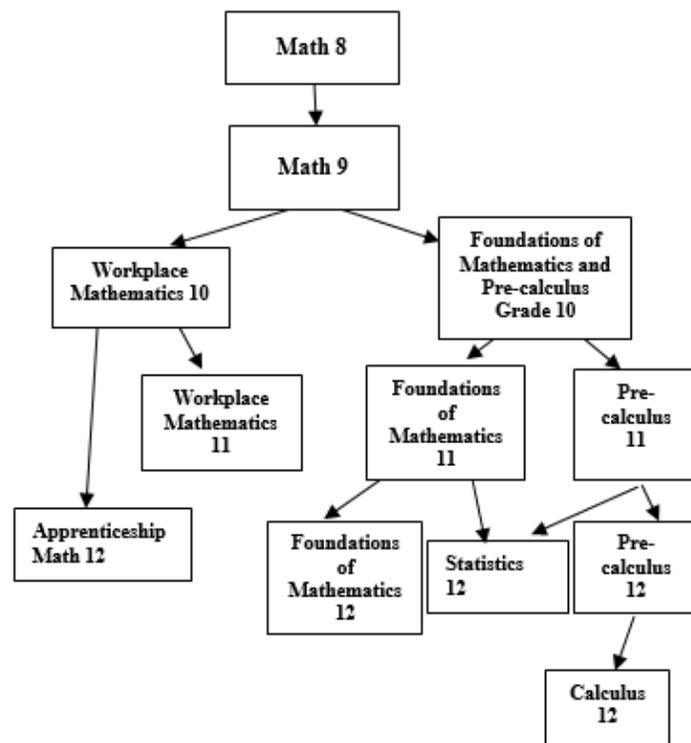
This course explores various cultures and worldviews of indigenous peoples in Canada and around the world. The course focuses on the continuing impact of colonialism and the resilience and survival of indigenous peoples in the face of inequalities. Students will learn how the identities, worldviews, and languages of indigenous people are renewed, sustained, and transformed through their

connection to the land. Other topics include the ways that Indigenous peoples continue to advocate and assert rights to self-determination. Students will participate in experiential learning, collaboration and group work; they will hear guest speakers and Knowledge Keepers; and they will engage in field trips to connect with local Indigenous individuals and groups. **Open to both grade 11 and 12 students.**

MATHEMATICS

DESIGN OF PATHWAYS

Each pathway is designed to provide students with the mathematical understandings, rigor and critical-thinking skills that have been identified for specific post-secondary programs of study and for direct entry into the work force.



Workplace and Apprenticeship Mathematics

This pathway is designed to provide students with the mathematical understandings and critical-thinking skills identified for entry into the majority of trades and for direct entry into the work force. Topics include algebra, geometry, measurement, number, financial mathematics, statistics and probability.

Foundations of Math

This pathway is designed to provide students with the mathematical understandings and critical-thinking skills

identified for post-secondary studies in programs that do not require the study of theoretical Calculus. Topics include financial mathematics, geometry, measurement, number, logical reasoning, relations and functions, statistics and probability.

Work Place Mathematics 10 MWPM-10

This course is designed for students wishing to pursue a trade or go directly into the workforce. Topics covered include: working with metric and imperial units and converting one to the other, applied measurement (i.e. volume and surface area), trigonometry, graphing, measures of central tendency, probability, and financial literacy.

Foundations of Mathematics & Pre-Calculus 10 MFMP-10

This course is designed for students wishing to pursue either the Foundations or Pre-calculus streams. Topics covered include algebra, the real number system, exponential laws, polynomials, factoring, relations and functions, equations of lines and their characteristics, parallel and perpendicular lines, systems of linear equations and finance.

Workplace Mathematics 11 MWPM-11

This course is designed for students who plan to enter the workforce. Either this course or Apprenticeship Math 12 can be taken to meet the math graduation requirement. Topics covered include probability and statistics, 3 dimensional views and scale diagrams, linear relationships and slope, financial literacy and budgeting.

Foundations of Math 11 MFOM-11

This course is designed for students who plan on entering the social sciences or humanities in post-secondary school. Topics covered include relationships of angles, graphical analysis of linear inequalities, quadratic functions and systems of equations, optimization, statistics, scale models and financial literacy.

Pre-Calculus Mathematics 11 MPREC11

This course is designed for students planning on pursuing a post-secondary program in sciences, math or engineering. Topics covered include: powers and radicals, rational expressions and equations, coordinate trigonometry (and sine and cosine laws), quadratic equations and functions, linear and quadratic inequalities and financial literacy.

NEW! Computer Science 11 MMACS11

Mobile game design and development is currently one of the largest emerging IT fields around. Today's mobile devices have changed how we communicate and entertain, making mobile application developers one of the fastest growing careers! Do you play games on your phone or iPad? Always

wanted to create your own game? Then this is the course for you.

**this is a math or elective credit course. This cannot be used to satisfy the fine/applied arts graduation credit.*

Apprenticeship Mathematics 12 MAPPR12

Students can choose to take Apprenticeship Math 12 or Workplace Math 11 after taking Workplace Math 10. In this course students will learn to do precise measuring in metric and imperial units, solving triangles using various methods including trigonometry, draw and calculate various 3D objects, work with different formulae and circle geometry. At the end of the course, students will do a research project linking math to a trade of their choice.

Foundations of Mathematics 12 MFOM-12

This course is designed for students who plan on entering the social sciences or humanities in post-secondary school. Topics covered include geometric explorations, graphical representations of various functions, regression analysis, combinatorics, odds and probability and financial planning.

Pre-Calculus 12 MPREC12

This course is designed for students planning to pursue a post-secondary program in the sciences, math or engineering. Topics covered include transformations of relations, exponential functions and equations, geometric sequences and series, logarithms, polynomial functions and equations, rational functions and trigonometry functions, equations and identities.

Calculus 12 MCALC12

Topics covered include problem solving, overview and history of Calculus, functions, graphs and limits, derivatives, antiderivatives and applications of derivatives and antiderivatives. Students who plan on taking Calculus 12 (which is only offered 2nd semester) must have previously completed Pre-Calculus 12.

Statistics 12 MSTAT12

This course is designed for students going into social sciences or some arts programs where a statistics course will be a mandatory course. It is also for students interested in understanding the role of data analysis in our world. Topics include: the role of statistics, methods of gathering data, methods for displaying data, methods for analyzing data, using technology to work with data and understanding and communicating what data is telling us.

NEW! Computer Science 12 MACS12

This course is a continuation of Computer Science 11. We will focus and expand the foundation and technical skills needed to be successful in the emerging field of mobile application. Delve into the difference between iOS, android, Windows, smart phone and tablet designs. Students will further develop their skills in Game Salad with the creation of social games and serious games. Possibility of experimentation with Unity3d or Flash Action scripting if time permits. If you are interested in the gaming industry, or mobile industry, then this course is for you.

*this is a math or elective credit course. This cannot be used to satisfy the fine/applied arts graduation credit.

SCIENCE

Science 10 MSC--10

This course continues to introduce and use the methods and applications of science. Science 10 is designed to provide opportunities for students to develop scientific knowledge, skills, and attitudes that will be relevant in their everyday lives and their future careers. Areas of study include; genetics in the determination of the diversity of life, changes associated with chemical processes, energy transformations, and the formation of the universe.

Life Sciences 11 MLFSC11 (Previously Biology 11)

This course presents a representative sample of organisms and introduces students to a variety of laboratory skills and scientific processes. The three main themes in Life Sciences 11 are Characteristics of Living Things, Processes of Evolution, and Taxonomy. Under these themes, the Life Sciences 11 curriculum will specifically cover ideas around evolution, viruses, taxonomy, microbiology (bacteria and protists), mycology, botany, zoology, and ecology. Life Sciences 11 demands that students be prepared to develop a strong understanding of biological terminology as the course progresses. These skills will prove helpful for Anatomy and Physiology 12 as well as first year biology courses in post- secondary institutions.

Chemistry 11 MCH--11

This is an introductory course for students with a general interest in Chemistry as well as for those who require Chemistry for more advanced study in the Sciences and it is also recommended for Biology 12. Topics include the study of atoms and molecules, as well as how they are bonded and how bonding can affect their structure and properties. The study of the mole and how it is used in quantitative measurements in chemistry involving solids, liquids and gases. The study of organic chemistry, the wide variety of organic compounds and how they react. This course involves the development of skills in experimentation, including observation, analysis and recording of results in lab reports. Ability in mathematics is essential.

Physics 11 MPH--11

Physics 11 is an introductory course which covers the Topics of kinematics, free fall with gravity, dynamics, work, energy, momentum, power, circuitry, and relativity. It is strongly recommended that Pre-Calculus Math 11 be taken prior to or concurrently with Physics 11. Students who have weak Algebra skills may wish to take Physics 11 in their Grade 12 year.

Earth Science 11 MESC-11

Earth Science 11 is a survey course designed to introduce students to the diverse aspects of Earth and Space Science. Students entering this course should have a good knowledge of Science skills and course content from their junior grades.

The course itself is based on five (5) key subject areas: Earth Materials (Rocks and Minerals), Plate Tectonics (Earthquakes and Volcanoes), Astronomy, Atmosphere and Climate, and Oceanography and the Hydrosphere. Activities encourage critical thinking in environmental issues, as well as interpreting the impact of human activities on the planet.

Environmental Science 11 MEVSC11

Environmental science is a course that studies the interaction between human systems and natural systems. In environmental science, students study how plants and animals interact with each other and the biodiversity of living and non-living components of the environment. The course will have students explore topics within the big ideas of diversity, processes that cause changes, sustainability, and the conservation and restoration of ecosystems. Environmental science aims to educate and equip learners with necessary environmental skills to pass on to the community in order to create awareness.

Students will participate in several concepts and projects dealing with these big ideas that specifically involve the skills of questioning and predicting, evaluating, applying, innovating, and communicating.

Anatomy and Physiology 12 MATOH12

(Previously Biology 12)

Anatomy and Physiology 12 focuses on human biology using the three main themes of Homeostasis, DNA and Cells, and Organization. Under these themes, the Anatomy and Physiology 12 curriculum is organized into two distinct terms: The first half of the course covers the topics of cell compounds and biological molecules, cell structure and cell membrane transport, DNA and its role in protein synthesis, cancer, enzymes and metabolism. The second half of the course covers the human systems of digestion, circulation, respiration, nervous, urinary and reproduction. An ability to work with and understand biological terminology is essential for students to be successful.

Anatomy and Physiology 12 may include “blood labs.” These labs will only occur with written permission from a parent or guardian and full compliance with School District 68 protocols. Additional information will be provided by the Biology 12 teacher.

Chemistry 12 MCH--12

Chemistry 12 is a course which provides an in-depth study of reaction rates, equilibrium, solubility, acids and bases, and oxidation-reduction. Success in the course requires ability in problem solving and the handling of numerical calculations, as well as a demonstrated ability to perform, analyze and report on experiments in the various topics. Good math skills are essential.

Physics 12 MPH--12

This course is a survey of physics for those students requiring physics for post-secondary studies. The following topics are studied: Vectors, 2D kinematics, dynamics, energy and momentum, static equilibrium, circular motion, electrostatics, and electromagnetism. The course will be easier for those students with a good mathematical sense and a solid foundation in algebra and trigonometry. Students are expected to develop skills in problem solving and in the collection, analysis and reporting of experimental results. It is strongly recommended that Pre-Calculus Math 12 be taken concurrently.

NEW! Anatomy and Physiology 12/Advanced Placement Biology 12 MATOH12 and ABIO-12 (8 credits)

This is a linear course that will provide students with credit in both Anatomy & Physiology 12 and Advanced Placement Biology 12.

The Advanced Placement Program® (AP) enables willing and academically prepared students to pursue college-level studies while still in high school. AP Biology is organized into four Big Ideas: Evolution, Energetics, Information Storage and Transmission, and Systems Interactions. The big ideas are further divided into eight units: Chemistry of Life, Cell Structure and Function, Cellular Energetics, Cell Communication and Cell Cycle, Heredity, Gene Expression and Regulation, Natural Selection and Ecology. Inquiry-based investigations throughout the course support the science practices of concept explanation, visual representation, questioning and methods, representing and describing data, statistical analysis and argumentation.

An opportunity to take the College Board Advanced Placement Exam in May is provided. If an exam score of 4 or 5 is achieved, many Universities will allow students to receive credit for first year biology. Whether or not the students choose to write the AP exam, students who take AP courses will be much better prepared for the rigor of first year university courses.

Prerequisite: Life Sciences 11 (minimum 73%)

NEW! Chemistry 12/Advanced Placement Chemistry 12 MCH--12 and ACHE-12 (8 credits)

This is a linear course that will provide students with credit in both Chemistry 12 and Advanced Placement Chemistry 12.

The Advanced Placement Program® (AP) enables willing and academically prepared students to pursue college-level studies while still in high school. AP Chemistry is an introductory college-level chemistry course. Students cultivate their understanding of chemistry through inquiry-based lab investigations as they explore the four Big Ideas: scale, proportion, and quantity; structure and properties of substances; transformations; and energy.

An opportunity to take the College Board Advanced Placement Exam in May is provided. If an exam score of 4 or 5 is achieved, many Universities will allow students to receive credit for first year chemistry. Whether or not the students choose to write the AP exam, students who take AP courses will be much better prepared for the rigor of first year university courses.

Prerequisite: Chemistry 11 (minimum 73%)

NEW! Physics 12/Advanced Placement Physics 12

APHH-12 and MPH—12 (8 credits)

This is a linear course that will provide students with credit in both Physics 12 and Advanced Placement Physics 1.

The Advanced Placement Program® (AP) enables willing and academically prepared students to pursue college-level studies while still in high school. AP Physics is an introductory college-level chemistry course. AP Physics 1 is algebra based - there is no need for an understanding of calculus. The course covers similar concepts as previous physics courses, with a much greater focus on conceptual understanding and laboratory techniques. Intensive mathematical calculations are minimized with a greater emphasis placed on manipulation, ratios, and graphical analysis.

An opportunity to take the College Board Advanced Placement Exam in May is provided. If an exam score of 4 or 5 is achieved, many Universities will allow students to receive credit for first year physics. Whether or not the students choose to write the AP exam, students who take AP courses will be much better prepared for the rigor of first year university courses

Prerequisite: Physics 11 (minimum 73%)

PHYSICAL EDUCATION

GENERAL OBJECTIVES AND PURPOSE

The Dover Bay Physical Education Program's goal is to promote the student acquisition of knowledge, skills and attitudes necessary for the development of a positive attitude toward health. Students will gain an understanding of the importance and benefits of a healthy lifestyle. Through participation in a variety of performance-oriented activities (i.e. individual, dual and team games and fitness activities), the student's self-concept and interpersonal skills will be enhanced. Senior PE courses place an emphasis on leisure-oriented activities, leadership development, and personal fitness evaluation. The development of personal fitness potential is an ongoing component of all levels of Physical Education at Dover Bay. Students are required to have the basic PE strip consisting of running shoes, gym socks, shorts or sweatpants and a T-shirt. It is highly recommended that suitable clothing is available for foul weather and hot days (including water and sunscreen) at all times.

PHYSICAL EDUCATION 10

Physical and Health Education - Health and Wellness

MPHED10HWS

Cooperative PHE 10 reinforces skills, principles and rules acquired in previous years, with an emphasis on cooperative play and recreational activities. Particular concentration is on achievement of personal fitness goals and student participation in areas of interest. Students taking this course may be given an opportunity to choose some of the units in which they wish to participate. There is a stronger emphasis on lifetime and leisure - oriented sport activities. Field trips to community recreational activities may also be part of the course. There is also a health curriculum component in this course, including making decisions around students' personal health and relationships.

Physical and Health Education – Performance

MPHE10P-S

Competitive PHE 10 reinforces skills, principles and rules acquired in previous years, with an emphasis on competitive team and individual play. Particular concentration is on achievement of personal fitness goals. Skills and game strategies will also be a focus. Students taking this course may be given an opportunity to choose some of the units in which they wish to participate. Field trips to community recreational activities may also be part of the course. There is also a health curriculum component in this course, including making decisions around students' personal health and relationships.

Physical and Health Education – Fitness & Conditioning

MPHED10FTS

Is designed for students who may enjoy the more personalized fitness components of Physical Education. Students will participate in daily activities focused on the Health-related components of physical fitness: muscular strength, muscular endurance, flexibility, cardiorespiratory endurance, and body composition. Students will learn more about these components, and how daily choices about each activity and nutrition impact each. Students will engage in goal-setting and begin building personalized fitness programs to reach their goals.

Physical and Health Education 10-Basketball

MPHED10B-S

This course has been developed to support and encourage students to develop their individual sport skills, physical strength and conditioning, health and nutritional knowledge, coaching and team building skills, and goal setting and organizational skills within a basketball setting. Students will learn to apply current information presented in physical education, health, coaching theory, and career and personal planning to a basketball. Basketball specific skill instruction will be augmented with classroom theory sessions, strength and conditioning classes, and guest speakers.

Physical and Health Education 10-Volleyball

MPHED10V-S

This course is designed to provide students with an opportunity to improve skills through sport. The foundation of the course will be to acquire advanced volleyball skills and strategies: individual and team defense, blocking, setting, serving, and individual and team offense, in both indoor (6 v 6) and beach (2 v 2) volleyball. Sport-specific training is included and will cover core strength training, flexibility, speed and agility. All students will go through Level 1 Officials training (Novice or Local) and be accredited volleyball officials. Rules and scorekeeping will be taught so students may act as minor officials and scorekeepers for league and tournament matches. Introductory coaching techniques will be taught, and students will have the opportunity to show leadership by teaching skills to peers and/or students outside the school. Finally, there will be a mental training and team-building component in this course.

Physical and Health Education 10 - Soccer

MPHED10FCS

PE Soccer 10 is a four-credit course designed for students who want to develop their skills through soccer. The course offers students the opportunity to improve their skills and knowledge about soccer in a challenging environment. Training will focus on improving both individual and team defending and attacking skills and principles. Physical training and developing a soccer specific program will include endurance, strength, speed and agility, and flexibility activities. Injury treatment and prevention as well as recovery principles will also be part of the course. Mental training, goal setting and team tactics will be covered in the classroom setting. Futsal will be included as a training component as weather conditions change.

Dance Fitness 10 MPHED10D-S

Dance Fitness is focused on the elements of dance in the areas of choreographic form and performance structures. Students will gain an understanding of how personal fitness

can be maintained and improved through regular participation in physical activities such as dance. Students will continue to build on their movement concepts and strategies through dance as a means of expression. Students will have the ability to improve their physical literacy through exposure to a variety of different dance genres including contemporary, modern stage, tap, hip hop, jazzercise and world culture dance. This course is a P.E. credit, therefore health-related decisions, such as those related to healthy eating, substance use, and sexual health, will be explored in order to support the achievement of personal healthy-living goals. Students will also gain the ability to collaborate with one another to better understand their role as a dancer, choreographer and an audience in a variety of different contexts. This course is designed to ensure student success despite their level of dance.

NEW! Physical and Health Education: Group Fitness and Conditioning MPHED10GFT

The motto of this course is to “Get fit and Have fun!” Group Fitness and conditioning is designed for students who enjoy working out in a group setting and creating a healthy lifestyle plan. Students will gain an understanding of how personal fitness can be maintained and improved through regular participation in strength and conditioning exercises. Learning how to create a stronger mind and body through high/low intensity interval training, stretching, breathing and relaxation will be the focus of this course. Class structure will include boot camp style workouts, pilates, stretching/relaxation/breathing techniques and fitness theory. We will also explore various fitness opportunities in the community. Students will learn to workout for fun and fitness to acquire strategies to be the strongest person you can be, both mentally and physically. Health-related decisions, such as those related to healthy eating, substance use, and sexual health, will be explored in order to support the achievement of personal healthy-living goals. Students will engage in goal setting and begin building personalized fitness programs to reach their goals. All students with the determination to acquire a healthy mind and body are welcome.

PHYSICAL EDUCATION 11

Physical and Health Education 11 - Fitness and Conditioning MFTCD11

Fitness and Conditioning is for students who are interested in more intensive physical activity and fitness development. Students will benefit from comprehensive weight training

and cardiorespiratory endurance activities. Students will learn the fundamentals of strength training, aerobic training, and overall fitness training and conditioning. Course includes both lecture and activity sessions. Students will be empowered to make wise choices, meet challenges, and develop positive behaviours in fitness, wellness, and movement activity for a lifetime.

Physical and Health Education 11 - Active Living

MACLV11

In this course there is a greater focus on leisure-oriented activities that may take students off-campus. The course may consist of performance-oriented activities (such as volleyball, basketball and soccer) and leisure-oriented activities, which include bowling, tennis, skating, swimming, disk golf and various cardiovascular opportunities. Students may have the opportunity to volunteer their services to the school and community during non-class hours.

Evaluation will measure participation and attitude, knowledge and leadership.

Physical and Health Education 11- Basketball

MACLV11B-S

This course has been developed to support and encourage students to develop their individual sport skills, physical strength and conditioning, health and nutritional knowledge, coaching and team building skills, and goal setting and organizational skills within a basketball setting. Students will learn to apply current information presented in physical education, health, coaching theory, and career and personal planning to a basketball. Basketball specific skill instruction will be augmented with classroom theory sessions, strength and conditioning classes, and guest speakers.

Physical and Health Education 11-Volleyball

MACLV11V-S

This course is designed to provide students with an opportunity to improve skills through sport. The foundation of the course will be to acquire advanced volleyball skills and strategies: individual and team defense, blocking, setting, serving, and individual and team offense, in both indoor (6 v 6) and beach (2 v 2) volleyball. Sport-specific training is included and will cover core strength training, flexibility, speed and agility. All students will go through Level 1 Officials training (Novice or Local) and be accredited volleyball officials. Rules and scorekeeping will be taught so students may act as minor officials and scorekeepers for league and tournament matches. Introductory coaching techniques will be taught, and students will have the opportunity to show leadership by teaching skills to peers

and/or students outside the school. Finally, there will be a mental training and team-building component in this course.

Physical and Health Education 11-Soccer MACLV11F-S

PE Soccer 11 is a four-credit course designed for students who want to develop their skills through soccer. The course offers students the opportunity to improve their skills and knowledge about soccer in a challenging environment. Training will focus on improving both individual and team defending and attacking skills and principles. Physical training and developing a soccer specific program will include endurance, strength, speed and agility, and flexibility activities. Injury treatment and prevention as well as recovery principles will also be part of the course. Mental training, goal setting and team tactics will be covered in the classroom setting. Futsal will be included as a training component as weather conditions change.

Dance Conditioning 11 MDNCN11

Dance Fitness is focused on the elements of dance in the areas of choreographic form and performance structures. Students will gain an understanding of how personal fitness can be maintained and improved through regular participation in physical activities such as dance. Learning how to create a stronger mind and body through group fitness, choreography and elements of movement as it relates to dance will be the focus of this course. Dance and Conditioning will include boot camp style workouts, yoga, stretching/relaxation/breathing techniques, dance choreography and fitness theory. Students will learn to dance for fun and fitness to acquire strategies to be the strongest person you can be, both mentally and physically. Health-related decisions, such as those related to healthy eating, substance use, and sexual health, will be explored in order to support the achievement of personal healthy-living goals. All students with the determination to acquire a healthy mind and body are welcome. No previous dance experience required regardless of the student's grade level.

Physical and Health Education 11 - Yoga MACLV11YOS

This yoga course will build on the skills developed in Yoga 9 or 10 but is also open to students who have not taken yoga before. Yoga is a practice that promotes both physical and emotional wellbeing. It builds strength, flexibility, and self-awareness so you learn how to stay happier and healthier. This course offers a daily practice that will always be both active and restful. Students with previous experience in yoga will deepen their understanding of the effects and benefits of

different activities such as poses, breathwork, and meditation as well as the ability to practice yoga independently. The science of yoga will be taught so that students better understand its effects on the nervous system and the way their muscles and joints function. Assessment will be based on individual progress and participation.

NEW! Physical and Health Education: Group Fitness and Conditioning **MPHED11GFT**

The motto of this course is to “Get fit and Have fun!” Group Fitness and conditioning is designed for students who enjoy working out in a group setting and creating a healthy lifestyle plan. Students will gain an understanding of how personal fitness can be maintained and improved through regular participation in strength and conditioning exercises. Learning how to create a stronger mind and body through high/low intensity interval training, stretching, breathing and relaxation will be the focus of this course. Class structure will include boot camp style workouts, pilates, stretching/relaxation/breathing techniques and fitness theory. We will also explore various fitness opportunities in the community. Students will learn to workout for fun and fitness to acquire strategies to be the strongest person you can be, both mentally and physically. Health-related decisions, such as those related to healthy eating, substance use, and sexual health, will be explored in order to support the achievement of personal healthy-living goals. Students will engage in goal setting and begin building personalized fitness programs to reach their goals. All students with the determination to acquire a healthy mind and body are welcome.

PHYSICAL EDUCATION 12

Physical and Health Education 12 - Fitness and Conditioning **MFTCD12**

This course is designed to give students the opportunity to learn moderate intensity level fitness concepts and conditioning techniques used for obtaining optimal physical fitness. Students will benefit from comprehensive weight training and cardiorespiratory endurance activities. Students will learn the fundamentals of strength training, aerobic training, and overall fitness training and conditioning. Course includes both lecture and activity sessions. Students will be empowered to make wise choices, meet challenges, and develop positive behaviours in fitness, wellness, and movement activity for a lifetime.

Physical and Health Education 12 - Active Living

MACLV12

In this course there is a greater focus on leisure-oriented activities that may take students off-campus. The course may consist of performance-oriented activities (such as volleyball, basketball and soccer) and leisure-oriented activities, which may include bowling, tennis, skating, swimming, disk golf and various cardiovascular opportunities. Students may have the opportunity to volunteer their services to the school and community during non-class hours. Evaluation will measure participation and attitude, knowledge and leadership.

Physical and Health Education 12 - Basketball

MACLV12B-S

This course has been developed to support and encourage students to develop their individual sport skills, physical strength and conditioning, health and nutritional knowledge, coaching and team building skills, and goal setting and organizational skills within a basketball setting. Students will learn to apply current information presented in physical education, health, coaching theory, and career and personal planning to a basketball. Basketball specific skill instruction will be augmented with classroom theory sessions, strength and conditioning classes, and guest speakers.

Physical and Health Education 12 - Volleyball

MACLV12V-S

This course is designed to provide students with an opportunity to improve skills through sport. The foundation of the course will be to acquire advanced volleyball skills and strategies: individual and team defense, blocking, setting, serving, and individual and team offense, in both indoor (6 v 6) and beach (2 v 2) volleyball. Sport-specific training is included and will cover core strength training, flexibility, speed and agility. All students will go through Level 1 Officials training (Novice or Local) and be accredited volleyball officials. Rules and scorekeeping will be taught so students may act as minor officials and scorekeepers for league and tournament matches. Introductory coaching techniques will be taught, and students will have the opportunity to show leadership by teaching skills to peers and/or students outside the school. Finally, there will be a mental training and team-building component in this course.

Physical and Health Education 12 - Soccer

MACLV12F-S

PE Soccer 12 is a four-credit course designed for students who want to develop their skills through soccer. The course offers students the opportunity to improve their skills and knowledge about soccer in a challenging environment.

Training will focus on improving both individual and team defending and attacking skills and principles. Physical training and developing a soccer specific program will include endurance, strength, speed and agility, and flexibility activities. Injury treatment and prevention as well as recovery principles will also be part of the course. Mental training, goal setting and team tactics will be covered in the classroom setting. Futsal will be included as a training component as weather conditions change.

Dance Conditioning 12 MDNCN12

Dance Fitness is focused on the elements of dance in the areas of choreographic form and performance structures. Students will gain an understanding of how personal fitness can be maintained and improved through regular participation in physical activities such as dance. Learning how to create a stronger mind and body through group fitness, choreography and elements of movement as it relates to dance will be the focus of this course. Dance and Conditioning will include boot camp style workouts, yoga, stretching/relaxation/breathing techniques, dance choreography and fitness theory. Students will learn to dance for fun and fitness to acquire strategies to be the strongest person you can be, both mentally and physically. Health-related decisions, such as those related to healthy eating, substance use, and sexual health, will be explored in order to support the achievement of personal healthy-living goals. All students with the determination to acquire a healthy mind and body are welcome. No previous dance experience required regardless of the student's grade level.

Physical and Health Education 12 – Yoga MACLV12YOS

This yoga course will build on the skills developed in Yoga 9, 10 or 11 but is also open to students who have not taken yoga before. Yoga is a practice that promotes both physical and emotional wellbeing. Building strength, flexibility, and self-awareness help us stay happier and healthier. This course offers a daily practice that will always be both active and restful. Students with previous experience in yoga will deepen their understanding of the effects and benefits of different activities such as poses, breathwork, and meditation as well as the ability to practice yoga independently. The science of yoga will be taught so that students better understand its effects on the nervous system and the way their muscles and joints function. Assessment will be based on individual progress and participation.

Physical and Health Education: Group Fitness and Conditioning MPHED12GRP

The motto of this course is to “Get fit and Have fun!” Group Fitness and conditioning is designed for students who enjoy working out in a group setting and creating a healthy lifestyle plan. Students will gain an understanding of how personal fitness can be maintained and improved through regular participation in strength and conditioning exercises. Learning how to create a stronger mind and body through high/low intensity interval training, stretching, breathing and relaxation will be the focus of this course. Class structure will include boot camp style workouts, pilates, stretching/relaxation/breathing techniques and fitness theory. We will also explore various fitness opportunities in the community. Students will learn to workout for fun and fitness to acquire strategies to be the strongest person you can be, both mentally and physically. Health-related decisions, such as those related to healthy eating, substance use, and sexual health, will be explored in order to support the achievement of personal healthy-living goals. Students will engage in goal setting and begin building personalized fitness programs to reach their goals. All students with the determination to acquire a healthy mind and body are welcome.

LANGUAGES

****Please note that completion of a language at the Grade 11 level is an entrance requirement for some post-secondary institutions. All language courses focus on the four areas of language acquisition: reading, speaking, listening and writing. Language courses also strive to foster cultural awareness and appreciation.***

French 10 MFR--10

Students will continue to build on French listening and viewing skills and will continue to learn to express themselves with growing fluency, orally and in writing. Students will develop an appreciation for francophone culture and creative works while developing practical skills and vocabulary to communicate and understand meaning in French. Students will discover the relevance of French language for travel, career and study opportunities through authentic learning activities.

Recommendation for French 10 is French 9

Core French Introductory 11 MFRI-11

This course combines French 9 and 10 to provide the skills and foundation for French 11. It is designed for students who may not have had an opportunity for continuous French instruction in grades 8, 9 and 10. This course provides a cultural and linguistic overview through interactive and authentic learning experiences. Students who successfully complete Introductory French 11 may move on to French 11 and receive a senior language credit.

No pre-requisite for Beginners' French 11 *Students receive a French 10 credit for this course

French 11 MFR--11

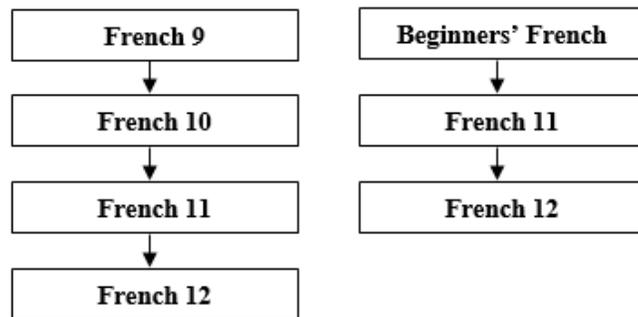
Students will develop stronger French listening and viewing skills and will continue to learn to express themselves with increasing fluency, orally and in writing. Students will develop a deeper appreciation for francophone culture and creative works while continuing to develop practical skills and vocabulary to communicate and understand meaning in French. Students will expand their understanding of the relevance of French language for travel, career and study opportunities through authentic learning activities.

*Completion of this course gives students a Language 11 credit, which is required for entrance to some university programs. **Recommendation for French 11 is French 10 or Introductory French 11**

French 12 MFR--12

Students will refine their French listening and viewing skills and will become more proficient at expressing themselves with increasing fluency, orally and in writing. Students will continue to develop a deeper appreciation for francophone culture and creative works while improving practical skills and vocabulary to communicate and understand meaning in French. Students will understand the value of French language for travel, career, study and personal growth opportunities through authentic learning activities.

****Completion of this course satisfies the first-year language elective requirement for graduation in some university programs.**



Spanish 10 MSP--10

Students will continue to build on Spanish listening and viewing skills and will continue to learn to express themselves with growing fluency, orally and in writing. Students will develop an appreciation for Hispanic culture and creative works while developing practical skills and vocabulary to communicate and understand meaning in Spanish. Students will discover the relevance of Spanish language for travel, career and study opportunities through authentic learning activities.

Beginners' Spanish 11 MBSP11

This course combines Spanish 9 & 10 to provide the skills and foundation for Spanish 11. It is designed for students who begin their Spanish studies after Grade 9. This course provides a cultural and linguistic overview through interactive and authentic learning experiences. Students who successfully complete Beginners' Spanish 11 may move on to Spanish 11 and receive a senior language credit.

Spanish 11 MSP--11

Students will develop stronger Spanish listening and viewing skills and will continue to learn to express themselves with increasing fluency, orally and in writing. Students will develop a deeper appreciation for Hispanic culture and creative works while continuing to develop practical skills and vocabulary to communicate and understand meaning in Spanish. Students will expand their understanding of the relevance of Spanish language for travel, career and study opportunities through authentic learning activities.

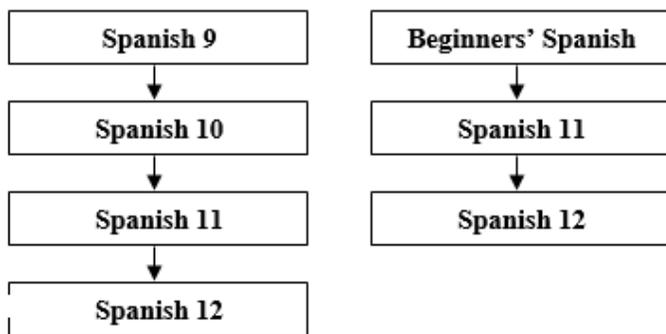
*Completion of this course gives students a Language 11 credit, which is required for entrance to some university programs.

Recommendation for Spanish 11 is Spanish 10 or Beginners' Spanish 11

Spanish 12 MSP--12

Students will refine their Spanish listening and viewing skills and will become more proficient at expressing themselves with increasing fluency, orally and in writing. Students will continue to develop a deeper appreciation for Hispanic culture and creative works while improving practical skills and vocabulary to communicate and understand meaning in Spanish. Students will understand the value of Spanish language for travel, career, study and personal growth opportunities through authentic learning activities.

**Completion of this course satisfies the first-year language elective requirement for graduation in some university programs.



BUSINESS EDUCATION

Entrepreneurship & Marketing 10 MADEM10

Do you think you might want to own your own business some day? Or perhaps a career in Advertising? This course will help you decide if you have the right stuff! You will explore a variety of opportunities for entrepreneurs. You will analyze the characteristics of an entrepreneur and assess your potential as business owner. There will also be opportunities to test your business ideas out through a variety of realistic business projects. You will look into the factors that contribute to the success of a business as well as the barriers that various groups of entrepreneur's face. You will have many opportunities to be creative & innovative as you follow the development of a business from the ideas stage through to opening day!

This course will also show you how retailers study consumer behavior to target a specific group and convince them to buy your products or services. Marketing will also enable you to

develop and use your creative side (or find it) through projects that emphasize product innovation or invention, prototype development, and product packaging, pricing and promotion, and advertising.

This course is an excellent introduction to Entrepreneurship¹² or Marketing¹².

Business Computer Applications 11 MBCA-11

If you see yourself using a computer to produce business documents in your career, you will love this course! You will learn the ins and outs of all the programs in MS Office (Word, Power Point, Access, & Excel). Other programs will also be explored, for example Adobe Photoshop and/or Dreamweaver. Students will gain an understanding of how to use the computer as a problem-solving tool in real life situations. Students will also use computer programs that are designed to develop an individualized typing program for each student. The goal is to improve your speed and accuracy while developing touch typing technique. Post-secondary institutions expect that students have a number of the skills learned in this course, therefore, this course is highly recommended for students who will continue their education beyond high school.

Marketing & Promotion 11 MMAP-11

How do you motivate someone to buy your product? What is good customer service? How do you increase sales? Why do businesses select target markets? Where and when should you advertise? All of these concepts involve marketing. Marketing skills have applications in all career areas: learn how to sell products, services and/or ideas. Practice working as a member of a team that produces results, and on time. This course emphasizes retail marketing. It will enable you to develop and use your creative side (or find it) through projects that emphasize product innovation, brand awareness, advertising, store layout and design, etc. Students will also have the opportunity to get hands on experience in retail management and develop cash register skills by creating their own concept store at Dover Bay. This course will definitely be an asset to anyone who wants to work in retail, plans to take any business program at the post-secondary level, or has plans to go into a career in business management.

Entrepreneurship 12 MENT-12

Have you ever wanted to be your own boss? Set you own schedule and work from wherever you want? This course will teach you how to start your own business from concept

creation to concept application. You will have the opportunity to get hands on experience in retail management, leadership and customer service. You will also develop cash register skills in this course. You will be able to explore the pros and cons of working for yourself one day. "Do you have what it takes?" This course answers that question. There will be many opportunities to assess your own entrepreneurial potential. There will also be opportunities to test your business ideas out through marketing projects and real business situations. You will practice all of the steps that are required to develop a business: applying for a business name, a business license, and develop a business plan. This course is also excellent preparation for any business program at the post-secondary level.

(No prerequisite required.)

E-Commerce 12 MECOM12

The focus of this course is the economics of e-commerce, cyber marketing, and revenue models as opposed to the retail focus in Marketing 11. There is big money to be made in the global economy and this course will show you how it is done with e-commerce. Topics include: 1) Ethical Marketing, 2) Cultural Appropriation, 3) Revenue Models, 4) Digital Retail, 5) Brand Awareness; and more. There will be many opportunities to test your business ideas out through marketing projects and real business situations. Students will also have the opportunity to get hands on experience in retail management and develop cash register skills by creating their own concept store at Dover Bay. Skills in word processing, spreadsheets, and desktop publishing will also be developed. This is a great course to prepare yourself for any post-secondary business program! (No prerequisite required).

INFORMATION & COMMUNICATIONS TECHNOLOGIES (ICT)

GRADE 10

Media Design 10 MMEDD10

This exciting course introduces the students to the different aspects of computer animation. Computer animation offers a unique opportunity for students to realize and utilize their graphic, written and technology skills – all requirements for the future workforce. The course focuses on the 12

Principles of Animation while developing personal 3D or 2D animations while incorporating these principles.

NOTE: This course can be taken in Grade 9 or 10

Web Development 10 MWBDV10

The internet is changing the way we work in society. Being able to effectively use different computer programs will make students more valuable to potential employers. Web Development 11 is a great course that permits the arts and academics to combine with ease. This course is designed to introduce students to areas of central importance to modern computing. These areas are: HTML, CSS, Dreamweaver and Content Management Systems such as Word Press. Students who intend to specialize in math, science, computer science or engineering at a post-secondary institution should include this course in their program.

NOTE: This course can be taken in Grades 10, 11 or 12.

Computer Studies 10 MCSTU10

This course is a preparatory course in Computer Science. The course will cover Basic Computer programming, Digital Imagery and Media Development, Applied Digital Communications, Web Page Publishing, and Multimedia Presentations beyond PowerPoint. While most students can do Facebook and get cheat codes, this course will empower students to outperform their peers in digital presentations and communication. In IT 10, students will also learn the hardware of computers, digital imagery techniques to craft unique graphics. A final project will be developed using multimedia software that will combine text, graphics, video and sound in a professional style format.

Photography 10 MVAPH10

Are you interested in graphic design, photography, photojournalism or publishing? This is the course for you. Get practical experience and build your portfolio by learning a variety of different photography skills. This course will introduce students to the power of a DSLR camera while focussing on proper exposure, shutter speeds, apertures and artistic composition. The principles and elements of design will be introduced and put into practice while taking images. Students will learn computer file management skills as well as postproduction techniques in industry standard software such as Adobe Photoshop and Adobe Lightroom.

Drafting 10 MTDRF10

Designed as a continuation of Drafting 9, this course will improve your skill level in areas of Landscape, Interior

Design and Engineering, as well as residential and commercial architecture. Using the latest AutoCad and Envisioneer products, you need only your creative talents. For students new to Drafting, projects and learning will be adapted to meet your needs and interests.

Electronics and Robotics 10 MTEAR10

The Robotics Industry is one of the fastest growing in the world. Technology companies engineer robots for fields in health, military, retail and many more. Most products we buy have software involved or associated with them. This generation of students need knowledge in coding, programming, designing, and engineering and this industry will be in high demand for the jobs of the future. This project-based course deals with the design and implementation of behavior-based robots to accomplish specific tasks. Students will learn about the evolution of Robotics, use electronic tools and test equipment in order to build, test, and modify various types of circuits and simple robots. Programming and building materials *may* include using VEX IQ and VEX EDR systems, while learning to code with Robot C and other platforms. Various opportunities are available to work individually and in partnerships. The course is a mixture of lectures, discussion, projects, class presentations and friendly competitions. Previous robotics courses are an asset as well as skills using computer programs such as google docs and google slides.

NEW! Film & Television 11 MDFT-11 open to grade 10's

Shoot video? Ever wonder how to what really takes to make those videos look more professional? This introductory course will show you how. All areas of the production process will be covered to help you achieve your goals more affectively: storytelling, storyboarding, camera shots and angles, directing, filming, editing, audio, lighting, and production management. Assignments will include shooting two or more films that will later be sent to festivals around the world. Theory work will include viewing and critiquing films and apply that learning into their final projects. Students can expect to finish the course and be able to produce their own independent films.

GRADE 11:

Programming 11 MCMPR11

In the Programming 11 course, students will use several different programming languages to develop programming skills. Using a variety of informational sources, students will gain an expansive understanding of the software

development industry, life as a programmer and potential employment opportunities in the various computer science fields. Students will learn logics and experience programming in Python (used by Google and Amazon), as well as C++ (used in the gaming industry). If time permits, other languages such as C# or Julia.

This course is encouraged for individuals who are contemplating a career in software development, computer studies, and Computer Game Programming. It is recommended that students who choose this course have strong mathematical skills.

Recommended: C+ or higher in Foundations of Math and Pre-Calc 10

Media Design 11 – Formerly Animation 11 MMEDD11

Animation 11 will provide students with basic skills required to Model and Animate in 3D or 2D while learning high-end computer animation programs such as those used in professional multimedia and film productions. The course could be a “quick start” into a career or post-secondary course associated with the new and expanding fields in film, television, publishing, multimedia and other career paths.

Computer animation offers a unique opportunity for students to realize and utilize their graphic, written and technology skills – all requirements for the future workforce. The course focuses on the 12 Principles of Animation while developing personal 3D or 2D animations while incorporating these principles. We will also investigate the Billion Dollar Industry of Computer Animation by exploring current 3D animation movies. Graduate animators from Dover Bay currently work at Electronic Arts and in the Movie Industry.

Computer Science 11 MMACS11

Mobile game design and development is currently one of the largest emerging IT fields around. Today's mobile devices have changed how we communicate and entertain, making mobile application developers one of the fastest growing careers! Do you play games on your phone or iPad? Always wanted to create your own game? Then this is the course for you. *This is a math or elective credit course. This cannot be used to satisfy the fine/applied arts graduation credit.

Photography 11 MVAPH11

This course is a continuation of Digital Photography 10. Students will continue to develop their skills with DSLR cameras and carry on with enhancing their photojournalism skills. We will also continue to dive further into Adobe Photoshop, Adobe Lightroom and Adobe In-

Design. Students will be expected to take photographs for the development of our yearbook and possibly use their skills to design yearbook pages.

Graphic Production (Yearbook) 11 MGRPR11

Do you want to be involved in producing the school yearbook? Do you want to learn to take better pictures? Do you like working in teams? Do you want to work on one of the school's largest group projects? Have you ever wondered what it would be like to see your work published? Would you like to learn about leading industry software packages such as Adobe In-design and Photoshop? If you answered "Yes" to any of these questions, then the yearbook course is for you. Students will photograph, design, interview, and create great pages that go into the yearbook, for all to see. We use Digital SLR cameras that encourage students to take professional quality pictures. Then, they can manipulate them with our classroom software. This course satisfies both the Applied Skills and Fine Arts requirements for graduation.

Film & Television 11 MDFT-11

Shoot video? Ever wonder how to what really takes to make those videos look more professional? This introductory course will show you how. All areas of the production process will be covered to help you achieve your goals more affectively: storytelling, storyboarding, camera shots and angles, directing, filming, editing, audio, lighting, and production management. Assignments will include shooting two or more films that will later be sent to festivals around the world. Theory work will include viewing and critiquing films and apply that learning into their final projects. Students can expect to finish the course and be able to produce their own independent films.

Drafting 11 MTDRF11

Continuing from Grade 10, student projects will reflect a professional standard and focus on detail in their designs and creativity. Using AutoCad and Envisioneer products, the Residential, Commercial and engineering designs will be more sophisticated. New students are welcome, and projects will be adapted to fit interests and expectations.

Robotics 11 MTROB11

The Robotics Industry is one of the fastest growing in the world. Technology companies engineer robots for fields in health, military, retail and many more and most products we buy have software involved or associated with them. This course is about furthering the students understanding of the

world in electronics and encoding. It is delivered using a combination of theory and practical based exercises. This course also expands on topics from Robotics 10, which allows students to control electronic circuits with an Arduino microcontroller. Students will continue to build and design their own robots that are able to complete a set of challenges using VEX IQ and VEX EDR equipment. They will use considerably more sensory feedback systems into their robot designs. Students also have the opportunity to potentially compete in various school and district robotics competitions.

GRADE 12:

Computer Programming 12 MCMPR12

In the Programming 12 course students will use several different programming languages to develop programming skills. Using the Internet and other informational sources students will gain an expansive understanding of the software development industry. Students will continue to learn logics and graphic programming.

This course is appropriate for individuals who are contemplating a career in software development, computer studies, and computer game programming. It is recommended that students who choose this course have a good skill level in mathematics.

Computer Science 12 MACS12

This course is a continuation of Computer Science 11. We will focus and expand the foundation and technical skills needed to be successful in the emerging field of mobile application. Delve into the difference between iOS, android, Windows, smart phone and tablet designs. Students will further develop their skills in Game Salad with the creation of social games and serious games. Possibility of experimentation with Unity3d or Flash Action scripting if time permits. If you are interested in the gaming industry, or mobile industry, then this course is for you.

*this is a math or elective credit course. This cannot be used to satisfy the fine/applied arts graduation credit.

Digital Media Design 12 (Formerly Animation 12)

MMEDD12

Using the 3D Studio Max software, an industry standard program, students will advance their skills in modeling & animation and explore Character Animation. Students will work on projects demonstrating problem solving abilities, tutorial comprehension, and tutorial creation aptitude. Students will model and animate characters in a 3D

environment possibly working in groups to complete projects. Topics of field of view, advanced lighting, and post rendering compilation will also be incorporated. Is Electronic Arts or Pixar looking for you?

Students who finish Animation 12 in their Grade 11 year are encouraged to take a directed studies course in animation to hone their skills at animating by creating a Demo reel of their work.

Photography 12 MVAPH12

In this course, students will be taking on a leadership role within the school. They will be responsible for taking photos for the yearbook (during school time and after school hours) and work closely with the yearbook class. They will also be taking photographs for our school newspaper, our TV monitor system and our school website. Students will also dive further into the potential of a DSLR camera, while continuing to develop their Adobe Photoshop and Adobe In-design skills. This course is a must for any student wishing to pursue a career in graphic design, photography or journalism as careers in photography are discussed along with learning about different photographers from around the world. Digital Photography 11 is a prerequisite.

Graphic Production (Yearbook) 12 MGRPR12

Students enrolled in Yearbook 12 will build upon their knowledge learned in Yearbook 11.

These students will take on a leadership role and editorial responsibilities in the production of the school yearbook.

NOTE: Students cannot receive credit for both Yearbook and Photography 12.

Film & Television 12 MDFT-12

Successful students currently employed within the film industry in Vancouver and Toronto highly recommend this course if you are a filmmaker wishing to make the film industry a career. An advanced course in filmmaking that goes beyond the material learned in Film 11, students will extend techniques in cinematography, sound, editing, directing, etc. and produce their learning within two to three films. Students can expect to finish the course and be able to produce and promote their own independent films and/or find possible employment within the film industry as crew. It is expected that students will have completed Film 11 in order to be successful in this advanced course.

Recommendation: Film and Television 11, Media Studies 11, a film portfolio or permission of the instructor.

Drafting 12 MTDRF12

Designed as a continuation of Drafting & Design 11. Students will continue to grow and develop skills in a personally designed project-based environment. You will improve your skills and develop a strong portfolio of projects and achievements. Those new to drafting are welcome, and the course may be adapted to meet your interests.

Robotics 12 MTROB12

Is a continuation of Robotics 11 and focuses on more advanced skills in programming and design using VEX EDR Robots. Students will explore robotic technologies in the industry as well as various careers in which robotic systems will be used. The course is delivered using a combination of theory and practical based exercises. Students will develop knowledge in feedback loops, battery technology, wiring and cabling as well as wireless communication options. Students will be expected to work both individually and in teams to compete in friendly class competitions and learn about the design process. Previous robotics experience is essential.

<h2 style="text-align: center;">TECHNOLOGY EDUCATION - WOODWORK</h2>
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Woodwork 10 MWWK-10

Woodwork 10 builds on the skills and habits learned in Woodwork 8/9, where students were provided with an introduction to the design process, as well as the essential skills and habits required to use woodworking tools and machinery safely and correctly, including procedures for processing lumber and common joinery and finishing techniques. Students will complete a mandatory project (changes each year), an exploratory design project using reclaimed wood, a lathe-turned project, and at least one personal project.

Woodwork 11 MWWK-11

Woodwork 11/12 builds on the skills and habits learned in Woodwork 9/10. This course is suited to serious woodworkers and is intended to teach more advanced woodworking techniques and provide students an opportunity to hone their skills. Students will complete a research presentation, a mandatory project (alternates

every other year), a hand-tool project, a shop improvement project, and at least one personal project.

Proper machine use and tool procedures will be taught so students can conduct themselves in a safe manner at school or on the jobsite. Students will learn finer joinery techniques, how to read technical drawings, and all machine operations appropriate for the required projects. Finishes appropriate to the project will be chosen and applied so the object will last.

Furniture & Cabinetry 12 MTFAC12

This course is a self-directed experience in which the learning outcomes and projects are a result of discussion between the teacher and the individual student. A high degree of initiative and responsibility for ones' own learning is crucial for student success. In recognition of the student's accumulated woodworking experience, they are encouraged to use shop time effectively towards the construction of items of functionality and personal challenge. It is expected that larger scale "masterpiece" fine woodworking products will be built by students in this course.

TECHNOLOGY EDUCATION – MECHANICS / METAL WORK AND FABRICATION

These classes are mainly competency-based with the focus of mostly hands-on shop work. For the hands-on part of the course, you are expected to work in the shop diagnosing and repairing automotive service problems. The instruction in the Autobody trade will also be done. Shop hours worked relate directly to a percent mark. Logging work hours is required much like at a job setting in the trades. A student successfully completing all courses will be adequately prepared to pursue a rewarding career in a variety of associated trades and technologies.

Automotive Power Technology 10 (Level 1) MTPOW10 POWER TECHNOLOGY 9 IS STRONGLY RECOMMENDED, BUT NOT REQUIRED

This course introduces the student to the automobile by studying various components such as the basics of automotive engines, tires, and brakes and related theories of operation. Lab procedures involve the use of hand tools, servicing of the automobile. Labs must be completed. Autobody repair and refinishing will be explored.

Successfully completing this is course is **REQUIRED** in preparation for **AT LEVEL 2 COURSE**.

Automotive Technology 11 (Level 2) MTAUT11 LEVEL 1 IS REQUIRED BEFORE LEVEL 2

This ADVANCED course introduces the concepts of electrical/electronic functions found in the vehicles today. Heating and cooling systems will be explored. A basic introduction to Autobody with the focus on dent repair, filling, priming, and colour coats will be covered. Lab procedures are used to enhance learning and guide the students throughout the program. Labs must be completed. Successfully completing this is course is **REQUIRED** in preparation for **AT LEVEL 3 COURSE**.

Automotive Technology 12 (Level 3) MTAUT12 LEVEL 1 & 2 IS REQUIRED BEFORE COMPLETING THE LEVEL 3 PROGRAM

This ADVANCED course introduces the concepts of electrical/electronic functions found in the vehicles today. Drivability and Computer Controls systems will be explored. Autobody with the focus on dent repair, filling, priming, and colour coats was covered in level 2 and will be reviewed and built upon in further studies. Lab procedures are used to enhance learning and guide the students throughout the program. Labs must be completed.

METALWORK 10 11 12

These classes are mainly competency-based theory with the focus of mostly hands on shop work. This course covers topics in most areas of welding, sheet metal, and machining operations using a variety of ferrous and non-ferrous materials. A student successfully completing all courses will be adequately prepared to pursue a rewarding career in a variety of associated trades and technologies.

METALWORK GRADE 10 - Level 1 MTMET10

It should be noted that this 4-credit course is a needed for entry to the Metalwork Level 2 courses. This is a general metalwork course providing a variety of practical exploratory experiences in various areas of the metal trades. The fundamentals of computer-controlled machining are covered from CAD drawings to numerical control files which run the CNC machines. Hands on practical experience is a major part of this program. SMAW, GMAW, OXY/ACE, welding tasks are performed. Manual lathing and milling operations are introduced. This

course can meet the Fine Arts or Applied Skills requirements for graduation. This course is a preferred prerequisite for both the CTC “Welding, Heavy Mechanical Trades, and Refrigeration Mechanics.

METALWORK GRADE 11 - Level 2 MTMET11

It should be noted that this 4-credit course is a recommendation for entry to the Metalwork Level 3 courses. This is a general metalwork course providing a variety of practical exploratory experiences in various areas of the metal trades. The fundamentals of computer-controlled machining are covered from CAD drawings to numerical control files which run the CNC machines. Any level 1 projects not completed will be done at the Level 2 class. The expectations and demands of quality are higher at this level. GTAW is introduced in Level 2. Hands on practical experience is a major part of this program. This course can meet the Fine Arts or Applied Skills requirements for graduation. This course is a preferred prerequisite for both the CTC “Welding, Heavy Mechanical Trades, and Refrigeration Mechanics.

METALWORK GRADE 12 - Level 3 MTMET12

It should be noted that this 4-credit course is applied for and taken only when the Metalwork Level 1 & 2 courses have been successfully completed in their entirety. This is a specific metalwork course providing a variety of practical exploratory experiences in various areas of the metal trades. The fundamentals of computer-controlled machining is covered from CAD drawings to numerical control files which run the CNC machines. Hands on practical experience is a major part of this program. This Level 3 programs allows a lot of freedom for project choices. This course can meet the Fine Arts or Applied Skills requirements for graduation. This course is a preferred prerequisite for both the CTC “Welding, Heavy Mechanical Trades, and Refrigeration Mechanics.

HOME ECONOMICS

NEW! Textiles 9-12: Sewing & Textiles for Home Decor and Accessories MTXT-10H-S, MTXT-11H-S, MTXT-12H-S

This course focuses on the necessary skills and technologies used in creating accessories, home furnishings, toys, and crafts. Students will have the opportunity to design and construct items exclusively for home use. Projects are student driven by matching their ability and interests. Instruction will focus on the different

characteristics of fabrics; pattern reading; developing hand and machine sewing techniques; alterations and/or upcycling textiles; the principles of design; First Peoples textile practices; and the environmental and ethical factors that impact the textile industry.

Textiles 10 - Sewing & Textiles for Clothing MTXT-10

Textiles 10 is a foundational course, exploring the necessary skills and technologies used in creating garments and textile items. Students will have the opportunity to design and construct clothing. Projects are student driven by matching their ability and interests. Instruction will focus on the different characteristics of fabrics; pattern reading; developing hand and machine sewing techniques; alterations and/or upcycling of garments; the principles of design; First Peoples textile practices; and the environmental and ethical factors that impact the textile industry.

Textiles 11 MTXT-11

Students build on their knowledge and experience by creating and designing several sewing projects. Most projects are chosen by the students based on their skill level and will focus on further developing their basic and advanced sewing techniques. Students will learn about modifying patterns, repurposing items, using specialty fabrics, the life cycle of a textile item, and the elements and principles of design.

Textiles 12 MTXT-12

This course further develops the knowledge, design skills, and techniques examined in previous Textiles classes. Students will learn advanced sewing techniques and work with challenging fabrics. They will explore methods for designing patterns, textile manipulations, historical uses of textiles including First Peoples practices, as well as ethical and environmental factors in textile production. Projects are chosen by the students to match their abilities and interests.

Fashion Industry 12 MFIND12

This course has been developed to support and encourage students to explore the creativity and individuality of basic fashion design concepts. Students will gain skills and knowledge in the fashion industry while choosing a key area to focus on, such as clothing design, costuming, online craft shops, pattern drafting, fashion sketching, the history of fashion, etc. The elements and principles of design will be applied to alter an existing garment or create an original piece. Students will have the opportunity to develop a portfolio that will explore concepts in trends, accessories, design, product development, and marketing. This course

will help prepare students who have a passion and want to pursue a career in Fashion Design. Students will concentrate on building their portfolio and on learning more advanced sewing techniques. Portfolios and prerequisites for acceptance to post-secondary institutes will be introduced. This course is open to grade 11 students.

Food Studies 10 MFOOD10

This course allows students to explore and prepare the foods from the different regions of Canada, including First Peoples food protocols. Learn about customs and traditions while exploring new tastes and revisiting old favorites. The focus is on food trends including nutrition, marketing, and how global food systems impact our food choices. This course involves theory and written work, as well as practical cooking labs.

Food Studies 11 MFOOD11

This course provides the knowledge and training in foods required for personal and family use as well as the study of nutrition. Topics include recipe development and modification, cookery techniques, baking principles, causes and impacts of food recalls, food marketing practices and labelling, national and indigenous food guides, and food security issues. This course involves theory and written work, as well as practical cooking labs.

Food Studies 12 MFOOD12

In this course, students will learn about foods and cultures from around the world. Students will prepare a wide range of foods to learn new culinary skills and to develop an appreciation for the uniqueness of each country's cuisine and customs. The production of more complicated food items and multi-course meals requiring advanced techniques will be studied. Additionally, students will gain knowledge and understanding of global issues related to food production and consumption, food justice, indigenous food sovereignty, and how they affect their food choices. This course involves theory and written work, as well as practical cooking labs.

Specialized Foods 12: Baking and Pastry Arts MSPSF12

This food studies course is for students with a keen interest in baked goods and desserts. The focus will be on baking theory and principles specific to making artisan breads, pastries, cookies, cakes, custards/mousse, chocolates and confectionary, as well as advanced decorating techniques. This course involves theory and written work, plus practical cooking labs. Students will be introduced to the core skills and knowledge necessary to pursue a career as a baker. This course is open to grade 11 students.

FAMILY STUDIES

Family and Society 10 MFAMS10

This course focuses on family and relationship dynamics. Students will learn to define the term "family" as it pertains to them, challenges families face, both locally and internationally, special caregiving issues, and access to resources. Students will also explore the role of children in families and society, including the rights of children locally and globally.

Interpersonal and Family Relationships 11 MIARF11

This course will focus on personal growth and family dynamics. Student learning will center around understanding types of interpersonal relationships, the nature of committed relationships, factors involved in ending relationships and components of healthy relationships. Students will explore learning in the areas of conflict resolution, self-identity, plus relationships and community.

Child Development and Caregiving 12 MCDAC12

This course will focus on child development from conception to adolescence. Students will learn about pregnancy, including health practices for conception and during pregnancy, prenatal development, and methods of childbirth and delivery. Exploration in theories of child development, including cultural influences, and how and why theories change over time. Students will explore stages of child development from birth to age 12, including cognitive, social, physical, and emotional development, and language and speech. There will be many hands-on experiences with children in the community to help gain insight into their lives. Computerized babies will also be available to bring learning to life.

CULINARY ARTS

Culinary Arts 10 MCUL-10

This is an introductory class covering all areas of a commercial kitchen including hot station, cold station, baking and pastry. Students will use basic techniques to complete recipes. They will demonstrate safe food and equipment practices while working under close observation of chef instructors. Students develop professionalism required by the industry as they prepare and serve daily dishes.

Culinary Arts 11 MCUL-11

This course further explores advanced cooking techniques. Students will demonstrate correct and safe use of all equipment under the guidance from chef instructors. Students begin to select appropriate methods to apply to recipes and prepare ingredients with accuracy and possible substitutions. Students begin to prioritize steps in order to complete multiple recipes at once. If you are a student who loves to create delicious food and see the results of your guests having a wonderful experience than Culinary Arts may be for you.

Culinary Arts 12 MCUL-12

Students explore artistic elements of food preparation and develop well-balanced dishes. Students will use diverse cooking practices to prepare ethnic and multicultural dishes. Students begin to critique their dishes and form inspiration from cooking trends. Students will identify appropriate tools, materials and processes necessary for food production. Students will share their knowledge as they collaborate with other group members.

Culinary Arts 10, 11 and 12 have opportunities to complete Food Safe level 1, work in banquet service and compete in Skills Canada for baking and Culinary Arts.

VISUAL ARTS

For students in art this year there will be an opportunity to explore the art and design of various aboriginal cultures from around the world with the predominant focus on West Coast First Nations Art and Culture. Students may choose to learn about the basic elements and forms of design in West Coast Aboriginal Art working in a variety of media such as drawing, painting, bead work and leather work.

Studio Art 10 MVA10

Art 10 is considered to be the last foundation year of introductory studio courses. It offers instruction in visual art media and the processes involved in creating art. Confidence is increased in the utilization of the elements and principles of design and students can produce imagery that demonstrates the development of their artistic skills, personal interests, and creativity.

Projects in drawing, painting, sculpture, graphics and printmaking continue to build skills and expertise.

Art Studio 11/12 MVA11, MVA12

Art 11/12 is intended for senior students who may or may not have taken any junior level art courses and would like an art course that covers the basics of art and design while offering art experiences that suit their age and interest level. The visual arts areas of expression are drawing and painting, sculpture and ceramics, graphic arts (collage, poster design) and printmaking (linocuts, collagraphs, monoprints, etc.).

Studio Art 2D - Drawing & Painting 11/12 MVAD-11, MVAD-12

These courses are intended for those students who wish to focus their studies on two-dimensional art processes and continue to develop their personal means of expression and design. Drawing skills are reviewed and enlarged upon through the use of a variety of wet and dry media (charcoal, conte, pastel, pen and ink, etc.). Painting skills also continue to be developed through the use of a variety of painting media (acrylics, water colour, and collage) and the use of technique. The study of art both past and present support the exploration of style, media and process.

Studio Art 3D - Ceramics & Sculpture 11 MVAC-11

Ceramics and Sculpture 11 provides students with the opportunity to engage in a focused and in-depth study of ceramics and sculptural processes. Students will become knowledgeable and skillful in the materials and processes used in the development of 3-D art forms. This will include the creation of freestanding hand-built clay sculptures. In addition, students will explore a variety of sculptural processes such as soapstone carving and Paper Mache sculpture. Students are provided with opportunities to expand their technical skills no matter what level of experience they currently possess and to develop the skills, knowledge and attitudes required to create skillful, purposeful and creative artwork.

Studio Art 3D - Ceramics & Sculpture 12 MVA12

This class builds upon the skills learned in Ceramics and Sculpture 11. Students will continue to develop their understanding of how to build with clay and make three-dimensional artwork. In addition, students will continue to have the opportunity to develop their skills and assignments will build upon and expand confidence in working with sculptural materials.

PERFORMING ARTS

Drama 10 MDRM-10

Marks the transition between Drama and Acting. Beginning with creative drama, the course explores movement and voice techniques, and then works toward performance of story theatre.

Students should be aware that some written work is required.

Drama 11 MDRM-11

Is an introduction to formal theatre. Because theatre is primarily concerned with communication to an audience, this course will deal with a new discipline in its own right. The theatre course will use the creative skills developed in Drama 8, 9, and 10, and add to them an understanding of genres in theatre as well as emphasis more specific technical performance skills such as a monologue.

Drama 12 MDRM-12

Will concentrate on acting styles, from classical to modern. After a short course on audition techniques including monologue, the course will finish with a production of student scenes.

Theatre Production 11 MD RTP11

Is a course for those interested in what goes on backstage. Covering the fundamentals of backstage jobs, from lighting to stage management, the course will teach design principles in such areas as set, costume, make-up and lighting, as well as allow the students the opportunity to apply their knowledge to school productions.

Theatre Production 12 MD RTP12

Is an advanced course in backstage theatre. In addition to more fully developing the topics of Theatre Production 11, students will work on sound, costumes, and in-depth work on stage management.

Musical Theatre 10-12 MMUTH10, MMUTH11, MMUTH12

Thinking of auditioning for the musical next year? Want credit for all those after-school hours? Musical Theatre 9 through 12 will give you hands-on training in performance: stage, dance and choral. Roles will be auditioned in June.

This is an after school, curricular course meeting each Monday, Wednesday and Friday after school.

PERFORMING ARTS ACADEMY

Theatre Company 10 - 12

MDRTC10, MDRTC11, MDRTC12

Dover Bay Secondary's Fine Arts Department offers a Performing Arts Academy. This course is designed for aspiring actors who wish to participate in an enriched educational experience of performing arts education.

The program offers students with a focus on performing the opportunity to further develop their acting skills and knowledge in theatre and film toward a high level of excellence. In addition, students will develop competitive auditioning skills and a professional portfolio to prepare them for career and education opportunities in the performing arts.

The Performing Arts Academy provides committed students with an opportunity to enroll in enriched performing arts classes with students of similar interests and needs while continuing with a regular academic course load.

Students in the Performance Academy Acting Program (Company Class) are strongly encouraged to take advantage of the courses offered in Dance, Choral, Theatre Production or Film, on the understanding that a wide range of skills improve employability in the Arts

Goals

- Students will be placed in a learning environment focused on intensive performing arts skills
- Students will have the opportunity to develop a network of support with students and teachers of similar interests and commitment to the performing arts.
- Students will be exposed to a wide variety of genres in the arts. (e.g. film, theatre, musical theatre)
- Students will develop self-motivation skills and teamwork skills necessary to succeed in a competitive workplace environment.
- Students will become aware of their level of performance in relation to their potential.
 - Students will be made aware of various career and employment opportunities and university/college options, as well as have working arrangements with professional theatre group in the community.
 - Students will participate in public performances and have opportunities to create scripts.

- Students will be exposed to guest speakers or clinicians in the area of performing arts.
- Students will be given opportunities for additional graduation requirements in performing arts (applied skills in film or theatre production).
- Students will be members of a group of individuals committed to academic and performance success and will receive outstanding instruction in an environment dedicated to excellence.

Parents

The Performing Arts Academy Program will provide student actors with an opportunity to benefit from intensive acting instruction within the public-school environment. It also provides families with an opportunity to access a program designed to meet the academic and performing arts needs of the students. The Performing Arts Academy offers an educational program that includes in-depth acting training.

Site Facilities

- Full Stage working theatre
- Dance studio
- Thirty station digital editing suite includes industry standard PC computers with Adobe Premiere Pro
- Three station digital editing suite, includes industry standard Apple computers with Final Cut Pro
- Thirty station Movie Maker Suite

PERFORMING ARTS ACADEMY 10 **MDRTC10**

SENIOR PERFORMING ARTS COMPANY CLASS 11/12

MDRTC11 MDRTC12

1st term: practice auditioning techniques for stage and camera including acting in student film; work on acting techniques such as scene study; and be given access to audition opportunities

2nd term: public performance in either extant plays or self-scripted work; concentration on performance and character techniques

MUSIC PROGRAM

There are two performing options for Band - Concert Band and Stage Band.

Concert Band 10 **MMUCB10**

The Concert Band is the main ensemble for brass, woodwind, and percussion. These bands will involve the majority of students in the Music Program and perform a

wide variety of musical styles, including Classics, Overtures, Film Music, and some Pop music. The Concert Band will perform in concerts, festivals, and on tour.

Jazz Band 10 **MMUJB10**

The Jazz Band is open to players of trumpet, trombone, saxophone, keyboard, guitar, bass, and drums. Jazz Band musicians will study and perform Jazz, Latin, and Rock styles and they will have an opportunity to learn solo improvisation. The Jazz Band will perform in concerts, festivals, and on tour. **JAZZ BAND PLAYERS ARE STRONGLY URGED TO ELECT CONCERT BAND IN ADDITION TO JAZZ BAND IF THEIR SCHEDULE PERMITS.** Students wanting to participate in extra-curricular band groups must also be registered and participate in a concert band or jazz band course or have their counsellor's permission.

Concert Band 11/12 **MIMCB11 MIMCB12**

The Concert Band is the main ensemble for brass, woodwind, and percussion. These bands will involve the majority of students in the Music Program and perform a wide variety of musical styles, including Classics, Overtures, Film Music, and some Pop music. The Concert Band will perform in concerts, festivals, and on tour.

Jazz Band 11/12 **MMUJB11 MMUJB12**

The Jazz Band is open to Grades 9 to 12 players of trumpet, trombone, saxophone, keyboard, guitar, bass, and drums. Jazz Band musicians will study and perform Jazz, Latin, and Rock styles and they will have an opportunity to learn solo improvisation. The Jazz Band will perform in concerts, festivals, and on tour. **JAZZ BAND PLAYERS ARE STRONGLY URGED TO ELECT CONCERT BAND IN ADDITION TO JAZZ BAND IF THEIR SCHEDULE PERMITS.** Students wanting to participate in extra-curricular band groups must also be registered and participate in a concert band or jazz band course or have their counsellor's permission.

Musical Theatre 10-12 **MMUTH10, MMUTH11, MMUTH12**

Thinking of playing music for the musical next year? Want credit for all of those before-school hours? Musical Theatre 9 through 12 will give you hands-on training in performance: **This is an after school, curricular course meeting each Monday, Wednesday and Friday after school.**

DANCE PROGRAMS

Dance Foundations & Performance 10-12

MDCF-10 MDCF-11 MDCF-12

Dance Foundations & Performance is focused on the elements of dance in the areas of choreographic form and performance structures. Students will explore elements of dance as it relates to the relationships between space, dynamics and time. Styles of dance presented vary from semester to semester, however, students in the past have explored hip-hop, contemporary, modern stage, jazz, lyrical, tap and Bollywood. A basic understanding of musicality will also be acquired through the course, as students will be exposed to a variety of different music styles and how to create movement within counts. Students will also gain the ability to collaborate with one another to better understand their role as a dancer, choreographer and an audience in a variety of different contexts. This course is a P.E. credit, therefore health-related decisions, such as those related to healthy eating, substance use, and sexual health, will be explored in order to support the achievement of personal healthy-living goals. This course is designed to ensure student success despite their level of dance- no experience in dance is necessary to take this course.

Career Education Programs

The Career Education curriculum supports students in the process of becoming successful, educated citizens by providing them with opportunities to explore a variety of careers and options for their future. Career Education helps students to discover a bridge between classroom learning and workplace and post-secondary realities and is designed to make learning meaningful and relevant.

Career Life Education 10 MCLC--10

Career Life Education is a required course and is taken in grade 10. In this course, students consider the impact of personal and career choices on themselves and others, recognize the need for a healthy balance between school and other life activities, appreciate the role of personal networks in choosing and advancing their career paths, connect experiential learning to potential career paths and create career and education plans. Students will develop an understanding of lifelong learning in preparation for evolving career opportunities.

Career Life Connections 12B MCLC-12A

Career Life Connections is a required course for graduation. Students will identify the aptitudes and achievements necessary to reach their goals. Students will develop post-graduation plans by exploring career and post-secondary education opportunities. Specific topics include career choices, education options, financial planning and health and well-being.

Career Life Connections 12A MCLCA12B

Capstone is a required course for graduation.

This course is a continuation of Career Life Connections 11. Students will design, assemble and present a capstone project that demonstrates their learning and achievement and that is a reflection of their post-graduation plan.

Work Experience 12 MWEX-2AY

The minimum age for this course is 14 years old. This course can be completed outside of the regular school schedule, such as evenings, weekends, school breaks and summer. The work experience program helps students prepare for the transition from secondary school to the workplace. Students get the opportunity to observe and gain employability, technical and applied skills relating to specific occupations or industries. Through worksite experiences, students have the opportunity to observe and practice employability skills required in the workplace, as well as technical and applied skills relating to specific occupations or industries. In most cases, work experience consists of non-paid placements. Hours begin AFTER the registration package has been approved. If the student is employed, the employer sponsor must provide WCB coverage. The Ministry of Education covers WCB for non-paid employment placements. Registration is ongoing.

SPECIALIZED PROGRAMS

NEW! SOCIAL EMOTIONAL LEARNING 11 YIPS-1B--S

Social-emotional learning focuses on self-awareness, social awareness, self-management, relationship skills, and responsible decision-making. It promotes an understanding of ones' emotions and learning how to have control over them. It leads to gaining an understanding of the emotions of others and provides perspective to others' feelings. Communication and knowing how to respectfully express

your views while understanding others' views is a vital tool. Students will gain valuable skills in communicating effectively as well as building and maintaining relationships. Students will also practice invaluable skills to slow down and be present, use mindful techniques and create their own toolbox of skills that work for them.

Yoga 10 MPHE10YOS

This yoga course will build on the skills developed in Yoga 9 but is also open to students who have not taken yoga before. We will focus on developing strength and flexibility so that more complex poses can be enjoyed without the risk of injury. Yoga is a practice that promotes both physical and emotional wellbeing. It helps you become more aware of how to stay happy and healthy. This course offers a daily practice that will always be both active and restful. Students with previous experience in yoga will find it easier to settle into the quieter practices of breathwork and meditation. The science of yoga will be taught so that students better understand its effects on the nervous system and the way their muscles and joints function. Assessment will be based on individual progress and participation.

Peer Tutoring 10 YIPS-0A

This course is an option for responsible students who model exemplary student behaviour interested in the opportunity to help fellow students and to develop their own interpersonal skills. After a short orientation/training session with the peer tutoring teacher, students will be placed in an appropriate setting to assist a teacher. Students will be involved in the tutoring of individual students or groups. Students are graded by their sponsor teacher, and on weekly journals and assignments. Students considering this course need to have a proven record of reliability and good work habits, as well as a desire to help others.

Peer Tutoring 11 YIPS-1A

This course is an option for responsible students who model exemplary student behaviour interested in the opportunity to help fellow students and to develop their own interpersonal skills. After a short orientation/training session with the peer tutoring teacher, students will be placed in an appropriate setting to assist a teacher. Students will be involved in the tutoring of individual students or groups. Students are graded by their sponsor teacher, and on weekly journals and assignments. Students considering this course need to have a proven record of reliability and good work habits, as well as a desire to help others.

Peer Tutoring 12 YIPS-2A

In this course, students will be provided an opportunity to develop leadership skills and continue to assist their fellow students through Peer Tutoring.

Drama Expression & Exploration in Social Studies 11/12 MEPSS11

Current and Historical Issues through the Arts.

People say that life imitates art, and now is your chance to explore this idea. In this unique half day program, we will learn about the Social Studies themes of Genocide, Social Justice and Philosophy and then further investigate them through the dramatic arts of storytelling, script writing and theatre. In the 8 credit program students will receive both a senior Socials Studies and a senior Drama credit.

Human Services - Leadership 11 YFCPA1A

Increases students' understanding of leadership and to apply leadership skills and styles in a variety of group and individual projects. This course aims to foster an awareness of our responsibility as individuals and as members of the community. Students enrolled in Athletic Leadership officiate games, manage teams, act as liaisons between the Athletic Director and team coaches, update the Athletics Website reporting on team's successes, help with building school pride and serve as athletic departmental assistants. Students are required to complete 12 hours of service each term. Students have the opportunity to develop lifelong skills in areas such as communication, conflict resolution, problem solving, team building, goal setting, time management, project planning and public speaking.

Note: This course is outside the timetable and is year long. Enrolment is subject to approval of application.

Human Services - Leadership 12B YFCPA2A

Will build on the skills learned and practiced in Leadership 11, while providing a greater opportunity to take a leadership role within the course. Students will have the opportunity to build skills in a variety of projects and activities and activities within the school and community. Students will continue to build skill in communication, conflict resolution, problem solving, team building, goal setting, time management, project planning, and public speaking. **Note: This course is outside the timetable and is year long.**

Psychology 12 YPSYC2A

This introductory overview of psychology covers topics such as contemporary approaches to psychology, the nature-nurture debate, human development, theories of personality,

learning and thought processes, memory storage and retrieval, emotions, motivation, conflict, adjustment mechanisms, and psychological disorders. Students will conduct a social experiment of choice. **Open to both grade 11 and 12 students.**

Outdoor Education Grade 10-12

Outdoor Education 10 YLRA-0A

Outdoor Education 10 is directed towards developing awareness and skills for the outdoors.

Students will plan, design and collaborate with others in a variety of outdoor activities. orienteering, geocaching and emergency shelter building will allow students opportunities to develop an awareness and a sense of responsibility for oneself and others. Participation in outdoor activities allows students to develop leadership skills and increased confidence. Students will also be taught ACT-CPR and Basic First Aid as well as strategies for adapting and responding to emergencies. Hands on skills in knot tying and use, fly tying and compass skills will be covered. Weekly hikes/walks and field trips are planned to further enhance the outdoor experience (Blueback Beach, Oliver Woods, Saxer Park, Linley Valley, Westwood lake).

Outdoor Education 11 MODED11

Outdoor Education 11 can help students to further develop an appreciation and understanding of the different types of outdoor activities available to us on Vancouver Island. Participation and spending time outdoors allows for the development of survival craft skills, knowledge and awareness of the environment. Participating safely in outdoor activities requires communication, teamwork and collaboration. Students will develop skills in canoeing, rock climbing, knot tying, camp set up as well as emergency

shelter building. Students will also be taught ACT-CPR and Basic First Aid as well as strategies for adapting and responding to changing conditions and emergencies. In the end, students should be able to explain how developing competence in outdoor activities can increase confidence and encourage lifelong participation. Weekly hikes/walks and field trips are planned to further enhance the outdoor experience (Blueback Beach, Oliver Woods, Saxer Park, Linley Valley, Westwood lake).

Outdoor Education 12 MODED12

Outdoor Education 12 directs students towards a lifelong appreciation and awareness of the different types of outdoor activities available to us on Vancouver Island. Students are guided on how to implement ways to reduce potential negative impacts of outdoor activities on the local environment. Through projects, presentations and guest speakers, students will demonstrate and explain cultural and environmental sensitivities regarding the use of outdoor locations.

Students will develop skills in canoeing, rock climbing, knot tying, camp set up as well as emergency shelter building. Students will also be taught ACT-CPR and Basic First Aid as well as strategies for adapting and responding to changing conditions and emergencies. Students should be able to explain how developing competence in outdoor activities can increase confidence and encourage lifelong participation. Weekly hikes/walks and field trips are planned to further enhance the outdoor experience (Blueback Beach, Oliver Woods, Saxer Park, Linley Valley, Westwood lake). Students considering a Career and/or Educational path related to recreation, environmental conservation or other related area would benefit from this curriculum as careers in the outdoors will be explored.