

Department	CrsCode	Description	GrdLvl	Summary
Applied Skills Cont'd	MTAUT12	AUTOMOTIVE TECHNOLOGY 12	12	This is an in-depth study of automotive systems. Students will be expected to bench test, diagnose, and repair starting, and charging system components. Students will also be given an automotive engine to tear down, inspect, and reassemble. Student project vehicles are welcome in this class. You may use your own vehicle to complete required jobs.
	MCLC-12	CAREER LIFE CONNECTIONS 12 - Inside	12	CLC is required for graduation, building on the skills developed in CLE. Students in CLC will work through three main content areas: Personal Development; Connections to Community; and Career Life Planning. CLC includes the CAPSTONE, a culminating project, presentation, or performance that will allow students the opportunity to consolidate and showcase the learning from their school and life experience into meaningful and relevant product. This course runs inside the timetable
	FCLC-12	CAREER LIFE CONNECTIONS FRENCH	12	CLCAF is required for graduation, building on the skills developed in CLEF10. Students in CLCAF will work through three main content areas: Personal Development; Connections to Community; and Career Life Planning. CLCAF includes the CAPSTONE, a culminating project, presentation, or performance that will allow students the opportunity to consolidate and showcase the learning from their school and life experience into a meaningful and relevant product. This course will be available either outside the regular timetable as a 9th course, or within the 8 courses in the timetable.
	MCMPR12	COMPUTER PROGRAMMING 12	12	This course provides students with the opportunity to explore a variety of programming opportunities. Students will learn coding skills and use the skills to program drones and raspberry pi boards. Students will code with CreateJS, Html, Mortan, Python and Visual C++.
	MDMD-12	DIGITAL MEDIA DEVELOPMENT 12	12	This course provides students with the opportunity to explore a variety of software in a practical setting. Students will work with industry-standard software to design projects based on their interests and the curricular competencies as noted below. Successful completion of the course will give students curricular competencies in prototyping, testing, making, are sharing their projects.
	MENT-12	ENTREPRENEURSHIP 12	12	Entrepreneurship is designed to introduce the business world through the development of a specific product. When possible, students will be given the opportunity to compete in a regional business competition in which they develop and market their products. During the time in the course, students will: identify and evaluate ethical business opportunities, use appropriate research methods to establish market potential, describe the working of a free-market capitalist economy, identify supply and demand, formulate feasibility studies and business plans, learn basic marketing skills as well as basic bookkeeping and record keeping.

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Applied Skills Cont'd	MFOOD12	FOOD STUDIES 12	12	This course emphasizes cooking nutritious, economical meals and snacks. Entertaining is included in this course with a holiday meal and food art. Fun units may include the cheesecake competition, Halloween display, and appetizers lab. Current food-related topics are also explored. Students are graded on both theory and cooking techniques.
	MMEDD12	MEDIA DESIGN 12	12	Want to join the Seaton Yearbook Team? Yearbook is an out-of-timetable digital art course where students use an online design program to create beautiful pages for the school yearbook! Working as a team, the class decides on the theme for the year. Previous themes have included "Storybook", "Sketchbook" and a 1980's retrospective! We require several photographers in this class so if you enjoy taking pictures this is the class for you! This class runs all year as a linear course outside the regular timetable. The Yearbook Team meets Wednesdays after school from 3:15 - 4:45."
	MGRPR12	GRAPHIC PRODUCTION 12	12	The course offers students the opportunity to design and produce documents for publications to a mass audience. Students will work with publishing software such as Adobe InDesign, incorporating pictures, typography, and graphics to learn about the principles of design.
	MTMET12	METALWORK 12	12	Safety, care, and maintenance of tools and equipment are emphasized in the completion of several mandatory projects that demand accuracy in fabrication and machining skills. Time is provided for students to design and research potential personal projects from their interest areas and backgrounds.
	MTXT-12	TEXTILES 12	12	If your passion is for fashion - this course is for you. Advanced sewing techniques are explored. Elements of design and study of fashion are included. Projects are chosen according to students' ability and interest. An optional fashion field trip may also be offered.
	MWWK-12	WOODWORK 12	12	Previous experience in woodwork 9, 10, or 11 is recommended but not required. Students will have the opportunity to build a self-directed project of their choice that will challenge their ability level. Selection of wood, operation and maintenance of equipment, use of plans, and cost estimation will all be covered. Please note that individual project selection may result in material costs above that supplied by the school.
	Fine Arts	MVAST12	ART STUDIO 12	12
MIMJB12		INSTRUMENTAL MUSIC: JAZZ BAND 12	12	This course is a supplement to the concert band program with an emphasis on the development of playing and improvisational skills. this is an extra option for credit as a 9th course offered outside of the timetable. Members will be assigned to either the junior or senior Jazz Ensemble.

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Fine Arts Cont'd	MCMCC12	CHORAL MUSIC: CONCERT CHOIR 12	12	Choir 12 is open to all students with an interest in singing! It runs outside the timetable on Thursdays from 3:15 to 4:45. Through the rehearsal and performance process students develop musical skills including sight-reading, rhythm, soloing, and an understanding of a variety of forms of music. Additional choirs (honour/jazz/multi-mic) will be auditioned from out of this group and will rehearse at separate times. Instrumentalists are encouraged to join choir and bring their instruments.
	MDRM-12	DRAMA 12	12	This is an acting class where students, regardless of their experience in the drama department, will learn acting, voice, and movement skills as they work through a variety of theatrical styles, periods, and genres. Students will participate in the Brown Bag Short Play Festival. If there is a Directing/Scripting the Brown Bag short play festival. If there is a Directing Script development class running in the same block, these students will be the actors for those directors.
	MIMCB12	INS MUS 12:CONCERT BND	12	A continuation of the Grade 11 band program with an emphasis on the development of playing and sight-reading skills (at an advanced level of play). This class will serve as the core of the senior band and a major portion of class time will be devoted to the study/performance of the best in concert band literature of all types ie: traditional, modern, popular, etc.
	MMUTH12	MUSICAL THEATRE 12	12	Students in this class MUST have successfully auditioned in the previous school year. This is a performance course and students will learn triple-threat skills in acting, singing, and dancing as they prepare a full-scale 27th Street Theatre musical show for the public. There is considerable out-of-school time commitment for this course. Students must be available after school, evenings, and on weekends.
	MVAD-12	STUDIO ARTS 2D 12	12	This class examines 2D art exclusively: printmaking, computer-generated art, collage, and mixed media may be touched upon, but it will focus primarily on drawing and painting. A studio art class is for the serious art student, one who has demonstrated dedication and ability in the past, and with an enthusiasm for the practical experience of art. This is a comprehensive course wherein students create a portfolio of work to demonstrate the artistic skills and ideas they have developed, refined, and applied over the course of the year.
	MDRTC12	THEATRE COMPANY 12	12	Students in this class MUST have successfully auditioned in the previous school year. this is a performance course where students will learn acting, voice, and movement skills as they prepare a full-scale 27th Street Theatre show for the public. There is considerable out-of-school time commitment for this course. Students must be available after school, evenings, and on weekends.

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Indigenous Academy	MDRTP12	THEATRE PRODUCTION 12	12	this class focuses strictly on learning the behind-the-scenes production elements of putting on a major production. These students build the set for the current 27th Street Theatre production, and learn about lights, sound, costumes, sets, and publicity. They will do an independent focus project alongside the class project of creating the show. Students in this class have first choice of production jobs for the current 27th Street Theatre Show.
	MENFP12--L-IA	ENGLISH FIRST PEOPLES 12 - Indigenous Academy	12	The course is grounded in the First Peoples Principles of Learning. It is designed for all students, Aboriginal and non-Aboriginal, who are interested in delving deeply into First Peoples' oral and written literature and visual texts in a range of media. The course focuses on the experiences, values, beliefs, and lived realities of First Peoples as evidenced in various forms of text, including oral story, poetry, song, performance, film, and prose. A key feature of the course is its focus on authentic First Peoples voices (i.e., historical or contemporary texts created by or with First Peoples).
Language Arts	MENFP12	ENGLISH FIRST PEOPLES 12	12	The course is grounded in the First Peoples Principles of Learning. It is designed for all students, Indigenous and non-Indigenous, who are interested in delving deeply into First Peoples oral and written literature and visual texts in a range of media. The course focuses on the experiences, values, beliefs, and lived realities of First Peoples as evidenced in various forms of text, including oral story, poetry, song, performance, film, and prose. A key feature of the course is its focus on authentic First Peoples voices (i.e., historical or contemporary texts created by or with First Peoples).
	MENST12	ENGLISH STUDIES 12	12	This new course replaces English 12, although it differs in its purpose and content. this comprehensive course represents essential learning in English Language Arts for students' success within and beyond school. It ensures that students are exposed to the discourse related to a full range of texts (e.g. critical literacy skills associated with engaging with literacy, digital, and informational texts). First Peoples texts, worldviews, and Principles of Learning are embedded throughout.
Languages	MFR--12	CORE FRENCH 12	12	French 12 is now a prerequisite for any Arts subject at some universities. A good prior knowledge of French is essential for success in grade 12 and C+ or higher in French 11 is recommended. The focus of French 12 is a thorough review of all grammatical structures and verbs and an in-depth study of the subjunctive tense. Students may choose to take the DELF exam during this course to have a certificate of their French proficiency level.
	MSP--12	SPANISH 12	12	Students build on their learning from the introductory course, expanding vocabulary, creating stories, extending grammatical knowledge and ability, thus enhancing their comprehension, as well as their speaking and writing skills. Introduction to Spanish is a prerequisite for this course.

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Mathematics	MPREC12	PRE-CALCULUS 12	12	This course is for students who plan to take post-secondary courses in Math or Science. It requires ready use of all skills learned in Math 10 and 11. Topics include algebra and number measurements, relations, function, and trigonometry.
	MFOM-12	FOUNDATIONS OF MATHEMATICS 12	12	This pathway is designed to provide students with the mathematical understanding and critical thinking skills required for entry into post-secondary studies in programs that do not require the study of calculus. It should be noted that there is no overlap between this course and Pre-Calculus 12. There are different strands of mathematics taught in each course. In addition to the extension and continuation of topics introduced in FOM 11, students will learn about financial mathematics, logical reasoning, applications of set theory, conditional statements, probability, permutations and combinations, relations, and functions. It is recommended that students have successfully completed FOM 11 before enrolling in this course.
	MCALC12	CALCULUS 12	12	Calculus 12 is designed for students planning to take calculus at the post-secondary level. The topics covered are Functions, Limits, Continuity, Derivative Rules, Curve Sketching, Related-Rate Problems, Max/Min Problems, and if time allows: Basic Integration and Area under the Curve problems. Why Take Calculus in High School?· Lessens the drop-out rate. The drop-out rate for first-year calculus at university is historically between 35-50%.· “Students with a high school calculus course continue to do much better than students who had not taken a high school calculus course. In fact, the gap between these groups of students has widened significantly.” – Quote from UBC.· Students who take calculus in high school end up GREATLY boosting their GPA at university by taking calculus there again. And these days, anything that boosts your overall university GPA is so important because of the fierce competition.· Possible reasons for the much higher marks / improved passing rate:· The teacher support is way higher. At many universities, you may not even get time with your actual professor, and you are often simply a number.· The pace at high school is much more manageable.
Modern Languages	FFRAL12	FRANCAIS LANGUE 12	12	This course is required to receive a Dual Dogwood diploma. The object of this course is to help students to integrate and enhance the linguistic competencies and cultural knowledge acquired during past learning experiences. Students will explore different types of genres of texts, from various sources that reflect Francophone and First Peoples' perspectives. The course will encourage students to use critical and creative thinking to analyze various communication situations and refine their communication skills in diverse contexts in order to achieve their personal career objectives. Students also have the opportunity to take the DELF exam to demonstrate their proficiency level in the French Language.

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Physical Education	MACLV12YOG	ACTIVE LIVING 12 - Yoga	12	Do you want to save money of a gym membership? Are you ready to focus on your fitness as an individual rather than in a team setting? We will look at how to lead a healthy lifestyle in a holistic, balanced way. Set your own fitness goals and achieve them! this course will continue to build on exploring the anatomy of movement, taking yoga poses deeper using techniques like binding, bandhas, and dristis, as well as looking at the potential to teach and build the business of yoga.
	MACLV12-HL	ACTIVE LIVING 12 - Healthy Living	12	Healthy Living 12 provides students with an alternative to the regular Active Living11 program. It is designed to appeal to the student that is interested in developing a healthy and active lifestyle in a more relaxed atmosphere. Students enrolled in the course will participate in a walking and/or learn-to-run program, develop an individual fitness program, learn about health and nutrition issues, use the school fitness room, and partake in various school and community-related activities. Students will gain an understanding of goal setting through the principles of training. Health education topics include healthy sexual decision-making, substance use and abuse, and nutrition. This course meets all the requirements of the Active Living 11 and 12 curriculum and will appeal to those students who have an interest in games and activities in a non-competitive environment **
	MACLV12-TS	ACTIVE LIVING 12 - Team Sports	12	Team Sports 12 provides students with an alternative to the regular Active Living12 program. It is designed to appeal to the student that is interested in actively participating in an intramural-type atmosphere. There will be a focus on sport-based skill development and the application of tactical advantages (e.g., serve and receive in volleyball, offensive sets/team strategy in basketball). Students enrolled in the course will participate in an individualized strength and conditioning program, learn about health and nutrition issues, use the school fitness room, and partake in team and individual-based sports in a fun, semi-competitive environment. Students will develop their understanding of goal setting through the principles of training. Health education topics include healthy sexual decision-making, substance use and abuse, and nutrition.
	MFTCD12	FITNESS AND CONDITIONING 12	12	In this case, you will learn to create personal fitness plans and work out at your own pace to meet your goals. The instructor will create a fun, yet challenging atmosphere that caters to all fitness levels regardless of your training goals. This class includes proper instruction on weightlifting and conditioning theory and application so you can create your own training program. You will participate in various exercise and programming techniques and exercise in a hands-on manner to learn various Strength and Conditioning principles in a stress-free, self-paced environment. this course is offered only before school hours and is recommended as a 9th course.

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Physical Education Cont'd	MODED12	OUTDOOR EDUCATION 12	12	PEAK Experience is a two-course package that includes both Outdoor Ed 11 and Outdoor Ed 12 for a total of 8 credits. It takes place in the second semester (February-June). Students will learn about themselves while participating in physically and mentally challenging activities. PEAK will introduce students to a wide variety of outdoor lifelong activities and experiences. Students will have an opportunity to plan and participate in 4 multi-day overnight trips which may include winter camping, bike touring, backpacking, and canoe tripping. Students will become proficient at paddling, biking and bike maintenance, multi-day trip planning, snow cave building, and wilderness safety, along with many other outdoor experience-related skills. Other excursions include activities such as snowshoeing, skiing/snowboarding, ziplining, rock climbing, white-water kayaking, scuba diving, stand-up paddleboarding, camp skills, first aid, survival techniques, and orienteering.
Sciences	MATPH12	ANATOMY AND PHYSIOLOGY 12	12	This course is recommended for anyone continuing in any life science-related field. Major topics are (a) human anatomy and physiology and, (b) cell structures and recesses. Areas of study include: Cells - structure, compounds, molecules, DNA, protein, membranes, and enzymes. Human Biology - digestion, heart, circulation, respiration, nervous system, excretion, and reproduction.
	MCH--12	CHEMISTRY 12	12	This course delves into reaction kinetics, equilibrium, solution chemistry, acid/base chemistry, and electron chemistry.
	MPH--12	PHYSICS 12	12	Physics is relevant to a wide range of human concerns and endeavours. At the most immediate level, physics is essential to academic studies and career training in scientific, technical, and medical fields. The physics course consists of both experimental and theoretical studies. Core sections include vectors, kinematics, dynamics, work energy, power, momentum, equilibrium, universal gravitation, electrostatics, electric circuits, and electro-magnetism.
Social Studies	MWH--12	20th CENTURY WORLD HISTORY 12	12	This course studies the rise and rule of authoritarian regimes through civil wars, independence movements, and revolutions. Human rights movements, including those of indigenous peoples are discovered as well as religious, ethnic, and/or cultural conflicts, including genocide. Global conflicts, including World War I, World War II, and the Cold War are included. Migrations, movements, territorial boundaries and interdependence, and international co-operation through treaties and the United Nations are components of History 12. Social and cultural developments through the twentieth century are a key focus as well.

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Social Studies Cont'd	MINST12	CONTEMPORARY INDIGENOUS STUDIES 12	12	This course will cover the following big ideas:- The identities, worldviews, and languages of indigenous peoples are renewed, sustained, and transformed through their connection to the land.-Indigenous peoples are reclaiming mental, emotional, physical, and spiritual well-being despite the continuing effects of colonialism.-Indigenous peoples continue to advocate and assert rights to self-determination.-Reconciliation requires all colonial societies to work together to foster healing and address injustices.
	APSY-12	AP PSYCHOLOGY 12	12	The Advanced Placement Program offers a course and exam in psychology to qualified students who wish to complete studies in secondary school equivalent to an introductory college course in psychology. The AP Psychology course is designed to introduce students to the scientific study of the behaviour and mental process of human beings. Students are exposed to the psychological facts, principles, and phenomena associated with each of the major subfields of psychology. they also learn about the ethics and methods psychologists use in their science and practice. Students taking this course are expected to write the AP exam. The cost of the exam is \$110 and must be paid by the end of the first week of the course - no exceptions.
	MHGEO12	HUMAN GEOGRAPHY 12	12	Human Geography 12 will study the interaction between man and the natural environment. We will look at things like plate tectonics, graduation, natural disasters, and climate and how those impact how humans live and in turn how our lives impact the environment. Human Geography 12 will also look at global bio-mes (climate, soil, and vegetation), natural resources, and sustainability.
	MLST-12	LAW STUDIES 12	12	Historical development of legal systems and the structure of Canada's law-making process. Included topics are the impact of the Charter of Rights and Freedoms: polygamy, right to die, prostitution, as well as the role of court staff, police officers, and citizens. Students will study the Criminal Code of Canada, various laws, what defences can be used, and what punishments are available to a judge. Family Law, Labour Law, Tenancy Law, and Civil Law are discussed, and students will prepare a case and present it to the class in a mock trial.
	MSJ—12	SOCIAL JUSTICE 12	12	Social Justice 12 explores how power, privilege and oppression manifest in systems, culture, and personal behavior. We will actively take\ on projects and engage in topics in ways that transgress and change those systems and norms into ones that align more with our values. Within this class I will ask you to explore your own identity, values, and beliefs. Social justice work is personal in nature and requires an investment from both your brain and heart. There will be times where you will

	MSJ—12 Cont'd			be challenged or uncomfortable; this is the nature of the work. Throughout the class, we will work to cultivate a culture where people are able to take risks and develop courage. We will also work to create a space where people's diverse perspectives and truths are honoured and where people can have meaningful dialogue about their differences. In order for this to happen, we as individuals need to seek to understand, not just speak to be understood.
Support Services	YFIPS2B	FR PEER TUTORING 12	12	This course will be offered to those students who enjoy helping others, have a solid academic standing, attend regularly, and are conscientious. Peer tutoring provides students with an opportunity to assist other students by working with an individual student to improve academic performance or with a class to help with daily progress.
	YIPS-2B	BA PEER TUTORING 12	12	This course will be offered to those students who enjoy helping others, have a solid academic standing, attend regularly, and are conscientious. Peer tutoring provides students with an opportunity to assist other students by working with an individual student to improve academic performance or with a class to help with daily progress.