

LANGUAGE ARTS

The new BC Curriculum offers student choice at the English 10 level. In addition to Composition 10, students will choose one other option, each of which fulfill the English 10 graduation requirements. Every English 10 course is designed to build students' skills in the areas of reading and writing, speaking and listening, viewing and representing through various activities and strategies in order to strengthen their literacy and critical thinking. The student choice areas will emphasize one specific element of English Language Arts.

English 10 – Composition (Required)	MINISTRY CODE: MCMPS10	(2 Credits)
<p>Composition 10 is designed for students who have an interest in developing 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. Students will work individually and collaboratively to explore and create coherent, purposeful compositions. They will develop their craft through processes of drafting, reflecting, and revising to build a body of work that demonstrates breadth, depth, and evidence of writing for a range of situations. The following are possible areas of focus within Composition 10: • narrative, expository, descriptive, persuasive, and opinion pieces • planning, drafting, and editing processes • writing for specific audiences and specific disciplines • how to cite sources, consider the credibility of evidence, and evaluate the quality and reliability of the source.</p>		
<p>Recommended Prerequisites and/or Additional information: Successful completion of English 9.</p>		
English 10 – Creative Writing	MINISTRY CODE: MCTWR10	(2 Credits)
<p>Creative Writing 10 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 through the exploration of personal and cultural identities, memories, and stories in a wide range of genres. Students will collaborate and develop their skills through writing and design processes. This course invites students to express themselves creatively as they experiment with, reflect on, extend, and refine their writing. The following are possible areas of focus within Creative Writing 10: • contemporary creative forms such as slam poetry, oratory, rap, drama, song, graphic novels • creative non-fiction, historical fiction • poetry, song lyrics • multimodal creative forms that combine visual, written, and oral texts.</p>		
<p>Recommended Prerequisites and/or Additional information: Successful completion of English 9.</p>		
English 10 - Literary Studies	MINISTRY CODE: MEFLS10	(2 Credits)
<p>Literary Studies 10 is designed for students who are interested in the literature of a particular era, geographical area, or theme, or in the study of literature in general. The course allows students to delve more deeply into literature as they explore specific themes, periods, authors, or areas of the world through literary works in a variety of media. Students will study a range of literary topics to: • increase their literacy skills through close reading • expand their development as educated global citizens • develop higher-level thinking and learning skills. This two-credit course is designed to provide an introduction to Focused Literary Studies 11 (four credits). The following are possible areas of focus in Focused Literary Studies 10: • genre-specific studies — poetry, short stories, novels, drama, graphic novels, children's literature • Canadian literature • First Peoples texts • thematic studies • specific author studies.</p>		
<p>Recommended Prerequisites and/or Additional information: Successful completion of English 9.</p>		

English 10 – Spoken Language	MINISTRY CODE: MSPLGS10	(2 Credits)
<p>Spoken Language 10 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 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. This course may be of particular interest to:</p> <ul style="list-style-type: none"> • students with strong verbal communication skills • ELL students who want to develop their oral language skills • students going into professions in which presentation skills are an asset • students who may wish to help maintain oral traditions. <p>The following are possible areas of focus in Spoken Language 10:</p> <ul style="list-style-type: none"> • Performance — suggested content/topics include spoken word/slam poetry, poetry recitation, oral storytelling, readers’ theatre, radio/podcasts/video posts • Oral tradition — suggested content/topics include debate, structured discussion, local story knowledge, oral history. 		
<p>Recommended Prerequisites and/or Additional information: Successful completion of English 9.</p>		

English 10 – New Media	MINISTRY CODE: MNMD-10	(2 Credits)
<p>New Media 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. Coursework is aimed at providing students with a set of skills vital for success in an increasingly complex digital world by affording opportunities to demonstrate understanding and communicate ideas through a variety of digital and print media. The following are possible focus areas in New Media 10:</p> <ul style="list-style-type: none"> • Media and film studies — suggested content/topics include the globalization of the media industry, influence of media on users’ perceptions, documentaries in the age of digital media • Journalism and publishing — suggested content/topics include the changing roles and structures within news organizations; risks, challenges, and opportunities associated with professional journalism • poetry, song lyrics • Digital communication — suggested content/topics include blogging, writing for the web, writing for social media, gaming, podcasting. 		
<p>Recommended Prerequisites and/or Additional information: Successful completion of English 9.</p>		

English 11	MINISTRY CODE: MEN--11	(4 Credits)
<p>In English 11, students study language and literature in a collaborative environment, with an emphasis on reading, writing, viewing, listening, and speaking. Mount Sentinel considers the development of literacy skills, especially comprehension, analyzing, critical thinking, viewing, deconstructing and presenting, to be essential foundation skills for lifelong learning, and so offers specific instruction integral to these outcomes in all English classes. Students will take a Literary Assessment in Grade 12 as part of the Graduation Requirements.</p>		
<p>Recommended Prerequisites and/or Additional information: Successful completion of English 10.</p>		

English 12	MINISTRY CODE: MEN--12	(4 Credits)
<p>This course will require students to bring all of the skills and processes they’ve learned in previous English classes to produce high quality work in the form of essays, original short fiction, poetry, Multi-Genre Research Projects, and a variety of media communications. In preparation for the Provincial Exam, students will continue to build skills in reading, analyzing and responding to a variety of texts. Students will be involved in daily discussions about world events acknowledging how art generally reflects the experiences we have and witness in a global society. Students will have freedom to explore inquiry questions based on their own strengths and interests while they continue to build a solid foundation for post-secondary coursework requiring communication skills (solid writing practice, avoiding plagiarism, MLA citations). English 12 is an approved</p>		

academic course for post-secondary entrance. The English 12 Provincial Exam makes up 40% of the final grade.

Recommended Prerequisites and/or Additional information: Successful completion of English 11.

Communications 12

MINISTRY CODE: MCOM-12

(4 Credits)

Communications 12 is an alternative to English 12. It stresses communication skills that are required in the workplace, including, oral skills, report and letter writing, and efficient and economical writing in a variety of formats. Although literature is read in the course, the emphasis placed upon it is less than in English 12. Communications 12 meets a student's graduation requirement for English; however, it may not meet admission requirements of post-secondary programs. Please check with your counsellor about your post-secondary options if taking this course.

Recommended Prerequisites & Other Course Information: Successful completion of English 11.

MATHEMATICS

Apprenticeship & Workplace Math 10

MINISTRY CODE: MAWM-10

(4 Credits)

This pathway is designed to provide students with the mathematical understanding and critical-thinking skills identified for basic graduation requirements and for direct entry into the work force. Topics: Problem solving, algebra, graphing, trigonometry, surface area and volume, geometry, proportional reasoning, measurement and measurement conversion (metric and imperial)

Recommended Prerequisites & Other Course Information: Successful completion of Math 9. Access to a scientific calculator is beneficial.

Foundations of Math & Pre-Calculus 10

MINISTRY CODE: MFMP-10

(4 Credits)

This is the common Mathematics 10 pathway designed to prepare students for either Foundations of Mathematics 11 or Pre-Calculus Mathematics 11. The Foundations pathway is designed to prepare students for Arts, Humanities and Social Sciences programs. The Pre-Calculus path will prepare students for Math, Science, Engineering and certain Commerce programs. Any students interested in Mathematics or in any of the previously mentioned fields of study should enroll in Foundations or Pre-Calculus Mathematics 10.

Recommended Prerequisites & Other Course Information: Successful completion of Math 9.

Apprenticeship & Workplace Math 11

MINISTRY CODE: MAWM-11

(4 Credits)

Designed for those students who intend to work after graduation, or need a course dealing with more everyday math. It fulfills Grade 11 math requirements for graduation. Topics: Algebra (formulas, slope, proportional reasoning), interpreting graphs, interpreting statistics, geometry (3D objects, scale diagrams), financial literacy and personal budgets.

Recommended Prerequisites & Other Course Information: Successful completion of MAWMa 10. Access to a scientific calculator is beneficial.

Foundations of Math 11	MINISTRY CODE: MFOM-11	(4 Credits)
<p>This course is designed to provide students with the mathematical understandings and critical-thinking skills identified for entry into postsecondary programs that require the study of theoretical calculus (such as science, engineering, and commerce). Topics include algebra and number, measurement, relations and functions, trigonometry, and permutations, combinations and binomial theorem. This pathway is designed to provide students with the mathematical understanding and critical thinking skills identified for post-secondary studies in programs that do not require the study of theoretical calculus.</p> <p>Recommended Prerequisites & Other Course Information: Foundations and Pre-Calculus Mathematics 10. <i>Required Equipment:</i> Scientific Calculator <i>Optional:</i> Purchase of workbooks may be offered.</p>		

Pre-Calculus 11	MINISTRY CODE: MPREC-11	(4 Credits)
<p>This pathway is to provide students with the mathematical understanding and critical thinking skills identified for entry into post-secondary programs that require the study of theoretical calculus such as Science, Math and Engineering. A high level of mastery of the learning outcomes for Foundations & Pre-calculus 10 is recommended. Topics: Algebra and number theory (radical expressions, rational expressions), relations and functions (factoring polynomials, solving quadratics, and graphing functions), trigonometry, financial literacy.</p> <p>Recommended Prerequisites & Other Course Information: C+ or better in Foundations and Pre-Calculus Mathematics 10</p>		

Apprenticeship & Workplace Math 12	MINISTRY CODE: MAWM-12	(4 Credits)
<p>This course is a continuation of Apprenticeship and Workplace Math 11 and is designed to provide students with the mathematical knowledge identified for entry into the majority of trades and for direct entry into the workforce. Topics include limitations with measuring instruments, trigonometry, transformations of 2D and 3D objects, logic reasoning, budget of up keeping a vehicle, linear relationships, and statistical analysis. The concepts will be reinforced through problems that reflect how math is used in our daily lives. Apprenticeship and Workplace Math 12 is a requirement for certain post-secondary programs where as Apprenticeship and Workplace Math 11 may not be sufficient. Students are parents are encouraged to research the admission requirements for post-secondary programs as they vary by institution and by year.</p> <p>Recommended Prerequisites & Other Course Information: Apprenticeship and Workplace Math 11</p>		

Foundations of Math 12	MINISTRY CODE: MFOM-12	(4 Credits)
<p>This course is a direct extension of Foundations of Math 11. This course 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 (such as humanities, fine arts, or social sciences). Topics include financial mathematics, set theory, combinatorics, probability, polynomials, logarithms, and sinusoidal curves. Foundations of Mathematics 12 enables students to enter post-secondary programs that do not require the study of theoretical calculus, for example: trades, arts, or humanities.</p> <p>Recommended Prerequisites & Other Course Information: Foundations 11 OR Pre-Calculus 11. \$25 for the workbook if you write in it, none if not.</p>		

Pre-Calculus 12	MINISTRY CODE: MPREC-12	(4 Credits)
<p>Pre-Calculus Mathematics 12 is designed to prepare students to enter post-secondary programs that require the study of theoretical calculus. Students who are considering a degree that requires a university-level math course are strongly advised to take Pre-calculus 12. Students should also consider enrolling in Calculus 12. Topics: Trigonometry, identities, logarithms, relations and functions, binomial theorem, permutations and combinations. Logical reasoning and problem solving skills are incorporated throughout the course</p> <p>Recommended Prerequisites & Other Course Information: Access to a scientific calculator is beneficial. Pre-Calculus 11.</p>		

Calculus 12	MINISTRY CODE: MCALC12	(4 Credits)
<p>This is an advanced mathematics class for very capable math students. The course is aimed at students who plan to study calculus at University as it bridges high school mathematics with university level calculus. Topics: History of Calculus, differentiation, integration, and related applications.</p> <p>Recommended Prerequisites and/or Additional information: Successful completion of Pre-Calculus 12.</p>		

SCIENCE

Science 10	MINISTRY CODE: MSC--10	(4 Credits)
<p>This course examines four key disciplines in science: Biology deals with genetics and natural selection. Chemistry covers elements and the periodic table, compounds and chemical change. Physics examines energy changes. Earth Science explores the age of the Earth and the formation of the universe.</p> <p>Recommended Prerequisites and/or Additional information: Successful completion of Science 9.</p>		

Biology 11	MINISTRY CODE: MBI--11	(4 Credits)
<p>This specialized science course will expose students to deeper biological concepts by investigating the evolution of the incredible diversity of life on our planet. The course explores the worlds of viruses and microorganisms and the development of more complex life in the animal and plant kingdoms. Ecological relationships are also investigated. Biology 11 is an exciting, eye-opening course with dissections, microscope work and ecological field studies. It provides an essential knowledge base for Biology 12 and for work in all aspects of biology from medical sciences to wildlife ecology.</p> <p>Recommended Prerequisites and/or Additional information: Successful completion of Science 10.</p>		

Sustainable Resources 11	MINISTRY CODE: MSR--11	(4 Credits)
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This course introduces plant biology, forest measurement, ecology, tree and plant identification, wildlife management, forest products and wood science. Also included are investigations into various environmental issues that are local, provincial, national and international. Students will also explore in the outdoors to facilitate experiential and place-based learning opportunities.

Recommended Prerequisites and/or Additional information: Completion of Science 10.

Physics 11	MINISTRY CODE: MPH--11	(4 Credits)
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Physics 11 is an introductory course which is a required prerequisite for many post-secondary science programs. Topics include: scientific calculations and measurements, the study of motion and forces, relativity, waves, energy relationships, and optics. Design projects illustrating the principles of physics are also a part of this course. Good mathematics and problem solving skills are recommended.

Recommended Prerequisites and/or Additional information: Successful completion of Science 10.

Biology 12	MINISTRY CODE: MB1--12	(4 Credits)
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This exciting course will appeal to students with specialized interests in biology, health sciences and/or the human body, as well as those who intend to pursue post-secondary studies. Scientific content includes biochemistry (cells, their structures and processes) and human body systems (anatomy and physiology). Students will participate in extensive laboratory work, case studies and other engaging activities to develop their scientific competencies. The class will be managed through a digital platform, using internet learning resources, so a personal laptop or device (i.e. Chromebook or iPad) is an asset. There will be some 'loaner' devices available during class time.

Recommended Prerequisites and/or Additional information: Science 10 required; Biology 11 recommended. Students will access digital resources including the internet; a personal computer recommended.

Chemistry 12	MINISTRY CODE: MCH--12	(4 Credits)
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This course will provide a detailed coverage of the following topics: kinetics, equilibrium, solubility, acids and bases, and electrochemistry.

Recommended Prerequisites and/or Additional information: Students taking this course should be highly motivated with sound math skills and a solid background in Chemistry 11.

Physics 12	MINISTRY CODE: MPH--12	(4 Credits)
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This course extends the study of kinematics, dynamics, and momentum to two dimensions. Physics 12 also introduces static equilibrium, electrostatics, current electricity and electromagnetism. Design projects illustrating the principles of physics are also a part of this course.

Recommended Prerequisites and/or Additional information: Physics 11 and a Math 11.

SOCIAL STUDIES & SOCIAL SCIENCES

Social Studies 10	MINISTRY CODE: MSS--10	(4 Credits)
<p>This course is a prerequisite for Social Studies 11. Historically the course covers Canadian Confederation and the development of the west to 1914. Geographically the emphasis is on the economic activities and relationships of Canada with the U.S.A. and the Pacific Rim. Projects and current events are an integral part of Socials 10. The goal is students will develop to be good citizens in a global society.</p>		
<p>Recommended Prerequisites & Other Course Information:</p>		

Social Studies 11	MINISTRY CODE: MSS--11	(4 Credits)
<p>Canadian History 1914-1991. World War 1, Great Depression, World War 2, United Nations, Cold War, NATO, Quebec Situation, Political Spectrum, how federal and provincial governments were formed, Canadian Constitution, World Population Issues, Standards of Living and World Environmental Issues.</p>		
<p>Recommended Prerequisites & Other Course Information: Successful completion of Social Studies 10.</p>		

First Nations Studies 12	MINISTRY CODE: MFNS-12	(4 Credits)
<p>The B.C. First Nations Studies 12 course is a study of the traditions and history of B.C.'s First Nations peoples for all students, regardless of their cultural background. This course focuses on the richness and diversity of First Nations cultures; studies the organized and self-sufficient societies of B.C. First Nations; introduces students to the historical experience of BC's First Nations, explores First Nations art as a cultural expression; develops an awareness of human rights and freedoms through Canadian law as they pertain to First Nations, and develops an understanding of and appreciation for First Nations values and beliefs. Specific course topics include:</p> <ul style="list-style-type: none"> • Relationships to the Land • The Historical Journey • The Legacy of Colonialism Cultural Expression. 		
<p>Recommended Prerequisites & Other Course Information: Social Studies 10, BCFNS 12 can be taken in-lieu of Social Studies 11</p>		

Psychology 11/12	MINISTRY CODE: YPSYC1A/YPSYC2A	(4 Credits)
<p>This course will offer insight into questions such as: What makes us human? Why do we act the way we do? Why do people join cults or gangs? Why do people get depressed or develop other mental illnesses? What determines our emotional state? How do relationships work? The purpose of Psychology 11 and 12 is to introduce students to the study of the behaviour and mental processes of humans. This is a hands on exploratory course. Some of the topics we will cover are: personality development and theories, mental illness, intelligence, types of therapies, stress, the human brain, learning, sensation, and perception. You will also learn about the methods psychologists use in their scientific research and practice.</p>		
<p>Recommended Prerequisites & Other Course Information: Successful completion of English and Science 10.</p>		

History 12	MINISTRY CODE: MHI--12	(4 Credits)
<p>Travel the globe and examine the 20th century and beyond through different lenses depending on your interest - global conflict, terrorism, arts, culture, music, film, novels, women's and civil rights. The focus is on preparing students to have the skills to succeed in academic coursework in post-secondary with an emphasis on discussion, debate, and analyzing history through multiple lenses and perspectives. Course is taught with "skill units" rather than "time periods."</p>		
<p>Recommended Prerequisites & Other Course Information: Successful completion of Socials 11</p>		

Law 12	MINISTRY CODE: MLAW-12	(4 Credits)
<p>In depth examination of the foundations of Canadian Law, The Criminal Justice System, and the moral and legal questions surrounding our legal system. Focus on group work/tests, performance (Mock Trial), and class debate and discussion. Focus on academic debate and university skills preparation.</p>		
<p>Recommended Prerequisites & Other Course Information: Successful completion of Socials 10</p>		