

**BAF 3MA, Grade 11, Introduction to Financial Accounting - University/College**

This course introduces students to the fundamental principles and procedures of accounting, with emphasis on accounting procedures used in service and merchandising businesses. Students will develop an understanding of the connections between financial analysis, control, and decision making in the management of a business, as well as the effects of technology and globalization on accounting procedures and the role of the accountant. The cost of a workbook(s) is the responsibility of the student.

**BDI 3CA, Grade 11, Entrepreneurship: The Venture, - College Preparation**

This course focuses on ways in which entrepreneurs recognize opportunities, generate ideas, and organize resources to plan successful ventures that enable them to achieve their personal goals. Students will create a venture plan for a student-run school-based or summer business. Through hands-on experiences, students will have opportunities to develop the values, traits, and skills most often associated with successful entrepreneurs.

**CHC 2PB, Grade 10 - Canadian History in the Twentieth Century, Applied**

This course traces Canadian history from Wilfrid Laurier's pronouncement that the twentieth century belongs to Canada to the United Nations' recognition of Canada as one of the best countries in which to live. Students will learn about various expressions of Canadian identity, the stories of individuals and communities, and changes in political and social structures. Students will discover the importance in historical studies of chronology and cause-and-effect relationships. As well, they will be given opportunities to formulate appropriate questions, develop informed opinions, and present information in a variety of ways.

**CHC 2DB, Grade 10 - Canadian History in the Twentieth Century, Academic**

This course explores Canadian participation in global events and traces our development as a country through changes in population, economy, and technology. Students will analyse the elements that constitute Canadian identity, learn the stories of both individuals and communities, and study the evolution of political and social structures. Students will learn about differing interpretations of the past, and will come to understand the importance in historical studies of chronology and cause-and-effect relationships. They will also learn to develop and support a thesis, conduct research and analysis, and effectively communicate the results of their inquiries.

**CGC 1DA, Grade 9 - Geography of Canada, Academic**

This course draws on a variety of frameworks, such as the ecozone and principles of physical, human, and economic geography, to explore Canada's distinct and evolving character. Students will investigate the interconnections among the landforms, climate, soils, plants, animals, and human activities in Canadian ecozones to develop geographic knowledge and skills that contribute to an understanding of Canada's diversity and its role in the world.

### **CGC 1PA, Grade 9 - Geography of Canada, Applied**

This course draws upon students' everyday experiences and uses a variety of frameworks, including ecozones, to help students learn about the geography of Canada and the country's place in the global community. Students will investigate the interconnection among the country's landforms, climate, soils, plants, animals, and human activities in order to understand Canada's physical character and diversity.

### **CGG 30A, Grade 11, Regional Geography: Travel and Tourism**

This course focuses on travel and tourism to examine the unique characteristics of selected world regions from a geographic perspective. Students develop an understanding and appreciation of the ways in which the natural environments, economies, cultures, and other aspects of world regions interact.

### **CHV 200, Grade 10, Open – Civics**

½ Credit

This course explores what it means to be an informed, participating citizen in a democratic society. Students will learn about the elements of democracy and the meaning of democratic citizenship in local, national, and global contexts. In addition, students will learn about social change, examine decision-making processes in Canada, explore their own and others' beliefs and perspectives on civics questions, and learn how to think and act critically and creatively about public issues.

### **CHW 3MA, Grade 11, World History to the 16<sup>th</sup> Century**

Prerequisite: CHC 2DB or CHC 2PB

This course investigates the history of humanity from earliest times to the sixteenth century. Students will analyse diverse societies from around the world, with an emphasis on the political, cultural, and economic structures and historical forces that have shaped the modern world. They will apply historical inquiry, critical-thinking and communication skills to evaluate the influence of selected individuals, groups and innovations and to present their own conclusions.

### **CLU 3MA, Grade 11, Understanding Canadian Law**

This course is an introduction to the Canadian legal system and provides a basis for understanding how laws are created, revised, and implemented to reflect the ever-changing needs and values of Canadian society. Law is an important element of a well functioning society, protecting the rights and outlining the responsibilities of all members of a community. We will investigate the Canadian legal system in order to appreciate the roles played by our elected representatives, law enforcement agents, courts as well as the citizens of our country. Laws and legal decisions can be controversial topics. We will learn how to analyze legal issues and develop informed opinions.

### **CGW 4UA, Grade 12, Canadian and World Studies**

Prerequisite: any university or university/college preparation course in Canadian and world studies, English, or social sciences and humanities

This course examines the global challenges of creating a sustainable and equitable future, focusing on current issues that illustrate these challenges. Students will investigate a range of topics, including cultural, economic, and geopolitical relationships, regional disparities in the ability to meet basic human needs, and protection of the natural environment. Students will use geotechnologies and skills of geographic inquiry and analysis to develop and communicate balanced opinions about the complex issues facing Canada and a world that is interdependent and constantly changing.

### **ENG 1L1 - Grade 9, English - Essential**

This course emphasizes reading, writing, oral communication and thinking skills that students need for success in secondary school and in their daily lives. In particular, the program works toward preparing the students to enter the grade 10 course in Essential English or the grade 9 course in Applied English and to complete the test of reading and writing successfully. Students read a variety of forms and practice skills necessary for clear and accurate spoken and written language. Course activities help to develop confidence and self esteem and provide motivation to succeed in school and in life.

### **ENG 1PA, Grade 9 - English, Applied**

This course emphasizes key reading, writing, oral communication, and thinking skills that students need for success in secondary school and their daily lives. Students will study plays, short stories, and newspaper and magazine articles, and will describe and create media works. An important focus will be the correct use of spoken and written language.

### **ENG 2DA, Grade 10 – English, Academic**

Prerequisite: ENG 1DA or ENG 1PA

This course extends the range of analytic, reading, writing, oral communication, and thinking skills that students need for success in secondary school academic programs. Students will study and interpret challenging texts from contemporary and historical periods, including novels, poems, plays, and opinion pieces, and will analyze and create effective media works. An important focus will be the thoughtful use of spoken and written language.

### **ENG 2L1 - Grade 10, English - Essential**

Prerequisite: English, Grade 9, Essential

This course emphasizes reading, writing, oral communication and thinking skills that students need for success. The program works toward preparing the students to enter the grade 11 course in Workplace English – and to complete the test of reading and writing successfully. Students read a variety of forms and practice skills necessary for clear and accurate spoken and written language. Course activities help to develop confidence and self esteem and provide motivation to succeed in school and in life.

### **ENG 2PA, Grade 10 – English, Applied**

Prerequisite: ENG 1PA or ENG 1DA

This course extends the range of key reading, writing, oral communication, and thinking skills that students need for success in all courses. Students will study novels, poems, magazines, and reports, and will describe, design, and produce effective media works. An important focus will be the clear and coherent use of spoken and written language.

### **ENG 3CA, Grade 11 - English, College Preparation**

Prerequisite: Grade 10 English, Applied.

This course emphasizes the development of literacy, critical thinking, and communication skills. Students will study the content, form and style of informational texts and literary works from Canada and other countries; write reports, correspondence, and persuasive essays; and analyse media forms, audiences, and media industry practices. An important focus will be on establishing appropriate voice and using business and technical language with precision and clarity.

### **ENG 3EA, Grade 11 – English, Workplace Preparation**

Prerequisite: English, Grade 10, Applied

This course emphasizes the development of literacy, critical thinking, and communication skills. Students will study the content, form, and style of informational texts and literary works; write explanations, letters, and reports; and investigate the connections among media forms, audiences, and media industry practices. An important focus will be on using language clearly, accurately, and effectively in a variety of contexts.

### **ENG 3UA, Grade 11 - English, University Preparation**

Prerequisite: English, Grade 10, Academic

This course emphasizes the development of literacy, critical thinking, and communication skills. Students will analyse challenging texts from various periods; conduct research and analyse the information gathered; write persuasive and literary essays; and analyse the relationship among media forms, audiences, and media industry practices. An important focus will be on understanding the development of the English language.

### **EBT4OA, Grade 12, Open - Communication in the World of Business and Technology**

Prerequisites: Grade 11 English, Workplace Preparation or Grade 11 English, University Preparation or Grade 11 English, College Preparation

This course emphasizes practical writing and communication skills that are needed in the world of business and technology. You will analyze the characteristics of effective models of business and technical communications; gather information to write reports, business letters, memos, manuals, instructions, and brochures; and integrate graphics and text, using technology appropriately for formatting and special effects.

### **ENG 4CA, Grade 12 - English, College Preparation**

Prerequisite: Grade 11 English, University or College.

This course emphasizes consolidation of literacy, critical thinking and communication skills. Students will analyse informational texts and literary works from various time periods, countries, and cultures; write research reports, summaries, and short analytical essays; complete an independent study project; and analyse the interactions among media forms, audiences, and media industry practices. An important focus will be on establishing appropriate style and using business and technical language effectively.

### **ENG 4EA, Grade 12 – English, Workplace Preparation**

Prerequisite: Grade 11 English, Workplace Preparation

This course emphasizes consolidation of literacy, critical thinking, and communication skills. You will study informational texts and literature from various countries and cultures; write summaries, reports, résumés, and short essays; complete an independent research project; and explain the connections among media forms, audiences, and media industry practices. An important focus will be the use of specialized language related to the workplace accurately and coherently in appropriate contexts.

### **ENG 4UA, Grade 12 - University Preparation**

Prerequisite: Grade 11 English, University Preparation

This course emphasizes consolidation of literacy, critical thinking, and communication skills. You will analyse a range of challenging texts from various time periods, countries, and cultures; write analytical and argumentative essays and a major paper for an independent research project; and apply key concepts to analyse media works. An important focus will be on understanding academic language and using it coherently and confidently in discussion and argument.

### **EWC 4UA, Grade 12, The Writer's Craft, University Preparation**

Prerequisite: Grade 11 English, University Preparation

This course emphasizes knowledge and skills related to the craft of writing. You will analyze models of effective writing; use a workshop approach to produce a range of works; identify and use techniques required for specialized forms of writing; and identify effective ways to improve the quality of your writing. You will also complete a major paper as part of a creative or analytical independent study project, and investigate opportunities for publication and for writing careers.

### **GLC 20N, Grade 10, Open – Career Studies**

½ Credit

This course teaches students how to develop and achieve personal goals in education and work and contribute to their communities. Student learning will include assessing their own knowledge, skills, characteristics and investigating economic trends, workplace organization, work opportunities, and ways to search for work. The course explores post secondary learning options, prepares students for community-based learning, and helps them build the capabilities needed for managing work and life transitions. Students will design action plans for pursuing their goals.

**GLS 10A, Grade 9 - Skills for Success in Secondary School - Open**

This course focuses on learning strategies to help students become better, more independent learners. Students will learn how to develop and apply literacy and numeracy skills, personal management skills, and interpersonal and teamwork skills to improve their learning and achievement in school, the workplace, and the community. The course helps students build confidence and motivation to pursue opportunities for success in secondary school and beyond.

**PPZ 30A, Grade 11 - Health for Life - Open**

This course helps students develop a personalized approach to healthy living, with a fitness emphasis. Students will examine the factors that affect their own health and the health of individuals as members of the community. They will learn about the components of the Vitality approach to healthy living – an initiative that promotes healthy eating, an active lifestyle, and a positive self-image. Throughout this course, students will develop the skills necessary to take charge of and improve their own health, as well as to encourage others to lead healthy lives.

**HPC 30A, Grade 11 - Parenting (Open)**

This course focuses on the skills and knowledge needed to promote the positive and healthy nurturing of children, with particular emphasis on the critical importance of the early years to human development. Students will learn how to meet the development needs of young children, communicate and discipline effectively, and guide early behaviour. They will have practical experiences with infants, toddlers, and preschoolers, and will learn skills in researching and investigating questions relating to parenting.

**HRF 30A, Grade 11 – World Religions: Beliefs and Daily Life**

This course introduces students to the range and diversity of world religions, and examines how systems of belief affect individual lives and social relationships. Students will learn about a variety of religious beliefs, teachings, traditions, and practices. The course also helps students to develop skills used in researching and investigating topics related to world religions.

**MAT 1L1, Grade 9, Foundations of Mathematics - Essential**

This course enables students to consolidate their understanding of key mathematical concepts through hands-on activities and to extend their problem-solving experiences in a variety of applications. Students will solve problems in numeracy, investigate the market place, apply ratio and rate, investigate two-dimensional and three-dimensional figures, and explore geometric relationships. The effective use of technology in learning and in solving problems will be a focus of the course.

**MFM 1PB, Grade 9 - Foundations of Mathematics, Applied**

This course enables students to develop mathematical ideas and methods through the exploration of applications, the effective use of technology, and extended experiences with hands-on activities. Students will investigate relationships of straight lines in analytic geometry, solve problems involving the measurement of 3-dimensional objects and 2-dimensional figures, and apply key numeric and algebraic skills in problem solving. Students will also have opportunities to consolidate core skills and deepen their understanding of key mathematical concepts.

### **MAT 2L1, Grade 10, Foundations of Mathematics - Essential**

Prerequisite: Grade 9, Foundations of Mathematics - Essential

This course enables students to consolidate their understanding of key mathematical concepts through hands-on activities and to extend their problem-solving experiences in a variety of applications. Students will solve problems in numeracy, apply ration, rate and percent, investigate measurement, explore geometric relationships, investigate two and three-dimensional figures and graph linear relationships. The effective use of technology in learning and in solving problems will be a focus of the course.

### **MFM 2PA, Grade 10 - Foundations of Mathematics, Applied**

This course enables students to consolidate their understanding of key mathematical concepts through hands-on activities and to extend their problem-solving experiences in a variety of applications. Students will solve problems involving proportional reasoning and the trigonometry of right triangles; investigate applications of piecewise linear functions; solve and apply systems of linear equations; and solve problems involving quadratic functions. The effective use of technology in learning and in solving problems will be a focus of the course.

### **MPM 2DA, Grade 10 - Principles of Mathematics, Academic**

This course enables students to broaden their understanding of relations, extend their skills in multi-step problem solving, and continue to develop their abilities in abstract reasoning. Students will pursue investigations of quadratic functions and their applications; solve and apply linear systems; solve multi-step problems in analytic geometry to verify properties of geometric figures; investigate the trigonometry of right and acute triangles; and develop supporting algebraic skills.

### **MBF 3CA, Grade 11 - Mathematics of Personal Finance, College Preparation**

Prerequisite: Grade 10 Foundations of Mathematics, Applied.

This course enables students to broaden their understanding of exponential growth and of important areas of personal finance. Students will investigate properties of exponential functions and develop skills in manipulating exponential expressions; solve problems and investigate financial applications involving compound interest and annuities; and apply mathematics in making informed decisions about transportation, accommodation, and career choices.

### **MCR 3UA, Grade 11 - Functions and Relations, University Preparation**

Prerequisite: Principles of Mathematics, Grade 10, Academic

This course introduces some financial applications of mathematics, extends students' experiences with functions, and introduces second-degree relations. Students will solve problems in personal finance involving applications of sequences and series; investigate properties and applications of trigonometric functions; develop facility in operating with polynomials, rational expressions, and exponential expressions; develop an understanding of inverses and transformations of functions; and develop facility in using function notation and in communicating mathematical reasoning. Students will also investigate loci and the properties and applications of conics.

### **MEL 3EA, Mathematics for Everyday Life, Grade 11, Workplace Preparation**

This course enables students to broaden their understanding of mathematics as it is applied in important areas of day-to-day living. Students will solve problems associated with earning money, paying taxes, and making purchases; apply calculations of simple and compound interest in saving, investing, and borrowing; and calculate the costs of transportation and travel in a variety of situations.

### **MAP 4CA, Grade 12 - College and Apprenticeship Mathematics, College Preparation**

Prerequisite: Grade 11 Math, University or University/College or College.

This course equips students with the mathematical knowledge and skills they will need in many college programs. Students will use statistical methods to analyse problems; solve problems involving the application of principles of geometry and measurement to the design and construction of physical models; solving problems involving trigonometry in triangles; and consolidate their skills in analyzing and interpreting mathematical models.

### **MCB 4UA, Grade 12, Advanced Functions and Introductory Calculus, University Preparation**

Prerequisites: Grade 11 Functions, Open (MCF3M) or Grade 11 Functions and relations, University Preparation

This course builds on your experience with functions and introduces the basic concepts and skills of calculus. You will investigate and apply the properties of polynomial, exponential, and logarithmic functions; broaden your understanding of the mathematics associated with rates of change; and develop facility with the concepts and skills of differential calculus as applied to polynomial, rational, exponential, and logarithmic functions. You will apply these skills to problem solving in a range of applications.

### **MCT 4CA, Grade 12 - Mathematics for College Technology, College Preparation**

Prerequisite: Functions, Grade 11, University/College Preparation (or Functions and Relations, Grade 11, University Preparation)

This course equips students with the mathematical knowledge and skills needed for entry into college technology programs. Students will investigate and apply properties of polynomial, exponential, and logarithmic functions; solve problems involving inverse proportionality; and explore the properties of reciprocal functions. They will also analyse models of a variety of functions, solve problems involving piecewise-defined functions, solve linear-quadratic systems, and consolidate key manipulation and communication skills.

### **MEL 4EA, Grade 12 - Mathematics for Work and Everyday Life - Workplace Preparation**

Prerequisite: Mathematics for Work and Everyday Life, Grade 11, Workplace Preparation.

This course enables students to broaden their understanding of mathematics as it is applied in the workplace and every day life. Students will use statistics in investigating questions; apply the concept of probability to solve problems in familiar situations; investigate accommodation costs and create household budgets; use proportional reasoning; estimate and measure; and apply geometric concepts to create designs. Students will consolidate their mathematical skills as they solve problems and communicate their thinking.

**SNC 1L1, Grade 9, Science - Essential**

Students strive to understand basic concepts in biology, chemistry, earth and space science, and physics; to develop practical skills in scientific investigation; and to apply their knowledge of science to everyday situations

**SNC 1PA, Grade 9 - Science, Applied**

This course enables students to understand basic concepts in biology, chemistry, earth and space science, and physics; to develop practical skills in scientific investigation; and to apply their knowledge of science to everyday situations. Students will design and conduct investigations into practical problems and issues related to cell division and reproduction, the structure and properties of elements and compounds, astronomy and space exploration, and static and current electricity.

**SNC 2DA, Grade 10 - Science, Academic**

This course enables students to develop a deeper understanding of concepts in biology, chemistry, earth and space science, and physics; to develop further their skills in scientific inquiry; and to understand the interrelationships among science, technology, and the environment. Students will conduct investigations and understand scientific theories related to: ecology and the maintenance of ecosystems; chemical reactions, with particular attention to acid-base reactions; factors that influence weather systems; and motion.

**SNC 2L1, Grade 10, Science - Essential**

Prerequisite: Science, Grade 9, Essential

This course enables students to understand essential concepts in biology, chemistry, physics, earth and space science. Students will explore applications of this knowledge of science to school technologies and other real life situations. This course is required for students to take the Grade 11 compulsory science.

**SNC 2PA, Grade 10 - Science, Applied**

This course enables students to develop a deeper understanding of concepts in biology, chemistry, earth and space science, and physics; to develop further their practical skills in scientific investigation; and to apply their knowledge of science to real-world situations. Students will design and conduct investigations into everyday problems and issues related to ecological sustainability, chemical reactions, weather systems, and motion.

**SBI 3CA, Grade 11 - College Biology**

This course focuses on the processes involved in biological systems. Students will learn concepts and theories as they conduct investigations in the areas of environmental science, cellular biology, animal anatomy and physiology, plant structure and physiology, and microbiology. Throughout the course, applications of biology to everyday life as well as educational and career opportunities related to biology are emphasized and noted in student journals. Skills needed for further study in various branches of the life sciences and related fields are developed

### **SBI 3UA, Grade 11 - Biology, University Preparation**

Prerequisite: Grade 10 Science, Academic.

This course furthers' students understanding of the processes involved in biological systems. Students will study cellular functions, genetic continuity, internal systems and regulation, the diversity of living things, and the anatomy, growth and functions of plants. The course focuses on the theoretical aspects of the topics under study, and helps students refine skills related to scientific investigation.

### **SCH 3UA, Grade 11 - Chemistry, University Preparation**

Prerequisite: Science, Grade 10, Academic

This course focuses on the concepts and theories that form the basis of modern chemistry. Students will study the behaviours of solids, liquids, gases, and solutions; investigate changes and relationships in chemical systems; and explore how chemistry is used in developing new products and processes that affect our lives and our environment. Emphasis will also be placed on the importance of chemistry in other branches of science.

### **SNC 3EA, Grade 11 - Science - Workplace Preparation**

Prerequisite: Science, Grade 9, Academic or Applied, or Grade 10, Essential

This course provides students with the science-related knowledge and skills they need to help them make informed decisions in the workplace and in their personal lives. Students will explore a range of topics, including materials and safety; electrical circuits; micro-organisms; the human immune system and defences against disease; and the impact of humans on the environment. Emphasis is placed on relating these topics directly to students' experiences both in the world of work and in daily life.

### **SNC 3MA, Grade 11 – Science, University/College Preparation**

Prerequisite: Science, Grade 10, Academic or Applied

This course enables students, including those who do not intend to pursue science-related programs at the post secondary level, to increase their understanding of science and its technological applications. Students will explore a range of topics, including the safe use of everyday chemicals; the science of nutrition and body function; waste management; the application of scientific principles in space; and technologies in everyday life. Emphasis will be placed on the role of science and technology in daily life and in relation to social and environmental issues.

### **SPH 3UA, Grade 11 - Physics, University Preparation**

Prerequisite: Science, Grade 10, Academic

This course develops students' understanding of the basic concepts of physics. Students will study the laws of dynamics and explore different kinds of forces, the quantification and forms of energy (mechanical, sound, light, thermal, and electrical), and the way energy is transformed and transmitted. They will develop scientific-inquiry skills as they verify accepted laws and solve both assigned problems and those emerging from their investigations. Students will also analyse the interrelationships between physics and technology, and consider the impact of technological applications of physics on society and the environment.

### **SCH 4CA, Grade 12, Chemistry, College Preparation**

Prerequisites: Grade 10 Science, Applied (SNC2P) or Grade 10 Science, Academic

This course introduces students to the concepts that form the basis of modern chemistry. Students will study qualitative analysis, quantitative relationships in chemical reactions, organic chemistry and electrochemistry, and chemistry as it relates to the quality of the environment. Students will employ a variety of laboratory techniques, develop skills in data collection and scientific analysis, and communicate scientific information using appropriate terminology. Emphasis will be placed on the role of chemistry in daily life and in the development of new technologies and products.

### **SNC 4EA, Grade 12 – Workplace Preparation Science**

Prerequisite: Science, Grade 11, Workplace

This course provides students with the science-related knowledge and skills they need to help them make informed decisions in the workplace and in their personal lives. Students will explore a range of topics, including chemistry at home and at work; communications technology; medical technology; gardening; horticulture, landscaping and forestry; and alternative life-sustaining environments. Emphasis is placed on relating these topics directly to students' experiences both in the world of work and in daily life.