

SCDSB eLearning

Departments and Course Titles		Grade 9	Grade 10	Grade 11	Grade 12
ARTS	Visual Arts – Digital Media (open)			AWS3OV	
BUSINESS	International Business Fundamentals (Univ./College)				BBB4MV
	Business Leadership (Univ./College)				BOH4MV
	Financial Accounting Principles (Univ./College)				BAT4MV
	Financial Accounting Fundamentals (Univ./College)			BAF3MV	
	Info. and Comm. Technology: The Digital Environment (Open)			BTA3OV	
	Accounting Essentials (Workplace)			BAI3EV	
	Entrepreneurship: The Enterprising Person (Open)			BDP3OV	
CANADIAN AND WORLD STUDIES	Analyzing Current Economic Issues (University)				CIA4UV
	Canadian and International Law (University)				CLN4UV
	World Issues: A Geographic Analysis				CGW4UV
	Legal Studies (College)				CLN4CV
	The Environment and Resource Management (Univ./College)				CGR4MV
	World History since 1900 (Open)			CHT3OV	
	Understanding Canadian Law (Univ./College)			CLU3MV	
	Careers/Civics (Open)		GLC2OV/ CHV2OV		
CLASSICAL STUDIES AND INTERNATIONAL LANGUAGES	Classical Civilizations (University)				LVV4UV
COMPUTER SCIENCE	Computer Science (University)				ICS4UV
	Introduction to Computer Science (University)			ICS3UV	
	Introduction to Computer Programming (College)			ICS3CV	
ENGLISH	English (University)				ENG4UV
	Writer's Craft (University)				EWC4UV
	Writer's Craft (College)				EWC4CV
	English: Contemporary First Nations, Metis and Inuit Voices (University)			NBE3UV	
	English (University)			ENG3UV	
	Presenting and Speaking Skills (Open)			EPS3OV	
	English: Contemporary First Nations, Metis and Inuit Voices (College)			NBE3CV	
	English (College)			ENG3CV	
Media Studies (Open)			EMS3OV		
FRENCH	Core French (University)				FSF4UV
	Core French (University)			FSF3UV	
	Extended French (University)				FEF4UV
	Extended French (University)			FEF3UV	

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Departments and Course Titles		Grade 9	Grade 10	Grade 11	Grade 12
MATH	Data Management (University)				MDM4UV
	Mathematics for College Technology (College)				MCT4CV
	Mathematics for Work and Everyday Life (Workplace)				MEL4EV
HEALTH AND PHYSICAL EDUCATION	Kinesiology (University)				PSK4UV
	Health for Life (College)			PPZ3CV	
SCIENCE	Physics (College)				SPH4CV
	Science (Univ./College)				SNC4MV
	Science (Workplace)				SNC4EV
	Biology (University)			SBI3UV	
	Environmental Science (Workplace)			SVN3EV	
	Chemistry (University)			SCH3UV	SCH4UV
SOCIAL STUDIES	Philosophy: Questions & Theories (University)				HZT4UV
	World Cultures (Univ./College)				HSC4MV
	Human Growth & Development (Univ./College)				HHG4MV
	Equity and Social Justice (Univ./College)				HSE4MV
	Personal Life Management (Open)				HIP4OV
	Food and Culture (Univ./College)			HFC3MV	
	Gender Studies (Univ./College)			HSG3MV	
	Introduction to Anthropology, Psychology and Sociology (University)			HSP3UV	

NOTE: The above courses are being offered online.

To be successful in online courses, students must:

- sign in and participate in course activity daily
- interact with other students in the discussion area, including small group collaboration
- expect to spend 75 minutes each day plus homework time on the course

Things to remember when taking an eLearning course:

- Students with online courses are not always directly supervised. It is expected that they work independently and with their teacher
- Attendance is taken online and is based on daily activity and participation in the course
- A student will be marked absent if they do not complete the required activities each week
- Students will be removed from courses for non-attendance
- Teachers will connect with students through SCDSB email, D2L, and/or Google Applications
- Correspondence will be sent to the student's SCDSB email. It's the student's responsibility to check this regularly

ARTS

AWS3OV: Digital Media **Grade 11 Open**

This course uses digital media for the creation of fine art and graphic design. Students will use computer software, as the medium, to create artistic images by learning various illustration techniques, image manipulation and processes, techniques and styles.

Students will also learn how to use these skills and create graphic designs such as posters. Understanding of the elements and principles of design, visual literacy, will teach students how to make effective compositions and analyze others. The history of digital art and graphic design will be studied.

Prerequisite: Visual Arts or Digital Media, Grade 9 or 10 Open recommended

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BUSINESS STUDIES

BBB4MV: International Business Fundamentals **Grade 12 University/College Preparation**

This course provides an overview of the importance of international business and trade in the global economy and explores the factors that influence success in international markets. Students will learn about the techniques and strategies associated with marketing, distribution, and managing international business effectively. This course prepares students for postsecondary programs in business, including international business, marketing, and management.

Prerequisite: None

BOH4MV: Business Leadership: Management Fundamentals **Grade 12 University/College Preparation**

This course focuses on the development of leadership skills used in managing a successful business. Students will analyse the role of a leader in business, with a focus on decision making, management of group dynamics, workplace stress and conflict, motivation of employees, and planning. Effective business communication skills, ethics, and social responsibility are also emphasized. Students will take a hands-on approach to learning the functions of management, using various pieces of software.

Prerequisite: None

BAT4MV: Financial Accounting Principles **Grade 12 University/College Preparation**

This course introduces students to advanced accounting principles that will prepare them for postsecondary studies in business. Students will learn about financial statements for various forms of business ownership and how those statements are interpreted in making business decisions. This course expands students' knowledge of sources of financing, further develops accounting methods for assets, and introduces accounting for partnerships and corporations.

Prerequisite: Financial Accounting Fundamentals (BAF3M1)

BAF3MV: Financial Accounting Fundamentals Grade 11 University/College Preparation

Every business school in the world teaches accounting. This course introduces students to the fundamental principles and procedures of accounting. Students will develop financial analysis and decision-making skills that will assist them in future studies and/or career opportunities in business. Students will acquire an understanding of accounting for a service and a merchandising business, computerized accounting, financial analysis and current issues and ethics in accounting.

Prerequisite: None

BTA3OV: Information and Communication Technology: The Digital Environment Grade 11 Open

This course prepares students for the digital environment. Using a hands-on approach, students will further develop information and communication technology skills using common business software applications. The concept and operation of e-business will be explored, and students will design and create an e-business website. The skills developed in this course will prepare students for success in the workplace and/or postsecondary studies.

Prerequisite: None

BAI3EV: Accounting Essentials Grade 11 Workplace Preparation

This course introduces students to the accounting cycle of a service business. Students will use computer applications software to record business transactions and to prepare financial statements. Students will also investigate banking and cash management, decision making, ethical behaviour, and career opportunities in the field of accounting.

Prerequisite: None

BDP3OV: Entrepreneurship: The Enterprising Person Grade 11 Open

This course examines the importance of enterprising employees in today's changing business environment. Students will learn about the skills and attributes of enterprising employees, the distinguishing features of their work environments, and the challenges and rewards of becoming an enterprising person. Students will also have an opportunity

to demonstrate and develop enterprising skills by planning and organizing a school or community event.

Prerequisite: None

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CANADIAN AND WORLD STUDIES

CIA4UV: Analysing Current Economic Issues **Grade 12 University/College Preparation**

This course examines current Canadian and international economic issues, developments, policies, and practices from diverse perspectives. Students will explore the decisions that individuals and institutions, including governments, make in response to economic issues such as globalization, trade agreements, economic inequalities, regulation, and public spending. Students will apply the concepts of economic thinking and the economic inquiry process, as well as economic models and theories, to investigate, and develop informed opinions about, economic trade-offs, growth, and sustainability and related economic issues.

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

CLN4UV: Canadian and International Law **Grade 12 University Preparation**

This course explores a range of contemporary legal issues and how they are addressed in both Canadian and international law. Students will develop their understanding of the principles of Canadian and international law when exploring rights and freedoms within the context of topics such as religion, security, cyberspace, immigration, crimes against humanity, and environmental protection. Students will apply the concepts of legal thinking and the legal inquiry process when investigating these issues in both Canadian and international contexts, and they will develop legal reasoning skills and an understanding of conflict resolution in the area of international law.

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

CGW4UV: World Issues: A Geographic Analysis **Grade 12 University Preparation**

In this course, students will address the challenge of creating a more sustainable and equitable world. They will explore issues involving a wide range of topics, including economic disparities, threats to the environment, globalization, human rights, and quality of life, and will analyse government policies, international agreements, and individual responsibilities relating to them. Students will apply the concepts of geographic thinking and the geographic inquiry process, including the use of spatial technologies, to investigate these complex issues and their impacts on natural and human communities around the world.

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

CLN4CV: Legal Studies Grade 12 College Preparation

This course provides a foundation for students who wish to pursue a career that requires an understanding of law. Students will explore the importance of law, analysing contemporary legal issues and their relevance to daily life. They will investigate the requirements for various law-related careers as well as legal responsibilities in the workplace. Students will apply the concepts of legal thinking and the legal studies inquiry process to investigate their rights and responsibilities, legal processes and structures, and the role of law in a changing society.

Prerequisite: Civics and Citizenship, Grade 10, Open

CGR4MV: The Environment and Resource Management Grade 12 University/College Preparation

This course investigates interactions between natural and human systems, with a emphasis on the impacts of human activity on ecosystems and natural processes. Students will use the geographic inquiry process, apply the concepts of geographic thinking, and employ a variety of spatial skills and technologies to analyse these impacts and propose ways of reducing them. During their investigations, they will assess resource management and sustainability practices, as well as related government policies and international accords. They will also consider questions of individual responsibility and environmental stewardship as they explore ways of developing a more sustainable relationship with the environment.

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

CHT3OV: World History since 1900: Global and Regional Interactions, Grade 11 Open

This course focuses on major developments in world history from 1900 to the present. Students will explore the causes and consequences of global and regional conflicts, the impact of significant individuals and social movements, and the effects of social, economic, and political developments around the world. Students will extend their ability to apply the concepts of historical thinking and the historical inquiry process, including the interpretation and analysis of evidence, when investigating interactions within and between nations and other historical developments and events, including those that continue to affect people in various parts of the world.

Prerequisite: Canadian History since World War I, Grade 10, Academic or Applied, or the locally developed compulsory course (LDCC) in Canadian history.

CLU3MV: Understanding Canadian Law Grade 11 University/College Preparation

This course explores Canadian law, with a focus on legal issues that are relevant to the lives of people in Canada. Students will gain an understanding of laws relating to rights and freedoms in Canada; our legal system; and family, contract, employment, tort, and criminal law. Students will develop legal reasoning skills and will apply the concepts of legal thinking and the legal studies inquiry process when investigating a range of legal issues and formulating and communicating informed opinions about them.

Prerequisite: Canadian History since World War I, Grade 10, Academic or Applied

GLC2OV: Career Studies Grade 10 Open

This course gives students the opportunity to develop the skills, knowledge, and habits that will support them in their education and career/life planning. Students will learn about global work trends and seek opportunities within the school and community to expand and strengthen their transferable skills and their ability to adapt to the changing world of work. On the basis of exploration, reflective practice, and decision-making processes, students will make connections between their skills, interests, and values and their postsecondary options, whether in apprenticeship training, college, community living, university, or the workplace. They will set goals and create a plan for their first postsecondary year. As part of their preparation for the future, they will learn about personal financial management – including the variety of saving and borrowing tools available to them and how to use them to their advantage – and develop a budget for their first year after secondary school.

Prerequisite: None

CHV2OV: Civics and Citizenship Grade 10 Open

This course explores rights and responsibilities associated with being an active citizen in a democratic society. Students will explore issues of civic importance such as healthy schools, community planning, environmental responsibility, and the influence of social media, while developing their understanding of the role of civic engagement and of political processes in the local, national, and/or global community. Students will apply the concepts of political thinking and the political inquiry process to investigate, and

express informed opinions about, a range of political issues and developments that are both of significance in today's world and of personal interest to them
Prerequisite: None

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CLASSICAL STUDIES AND INTERNATIONAL LANGUAGES

LVV4UV: Classical Civilization Grade 12 University Preparation

This course introduces students to the rich cultural legacy of the classical world. Students will investigate aspects of classical culture, including mythology, literature, art, architecture, philosophy, science, and technology, as well as elements of the ancient Greek and Latin languages. Students will develop creative and critical thinking skills through exploring and responding to works by classical authors in English translation and examining material culture brought to light through archaeology. They will also increase their communication and research skills by working both collaboratively and independently and will acquire an understanding and appreciation of the interconnectedness of ancient and modern societies.

Prerequisite: English, Grade 10, Academic, or Classical Languages, Level 2, University Preparation

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COMPUTER SCIENCE

ICS4UV: Computer Science Grade 12 University Preparation

This course enables students to further develop knowledge and skills in computer science. Students will use modular design principles to create complex and fully documented programs, according to industry standards. Student teams will manage a large software development project, from planning through to project review. Students will also analyse algorithms for effectiveness. They will investigate ethical issues in computing and further explore environmental issues, emerging technologies, areas of research in computer science, and careers in the field.

Prerequisite: Introduction to Computer Science, Grade 11, University Preparation

ICS3UV: Introduction to Computer Science Grade 11 University Preparation

This course introduces students to computer science. Students will design software independently and as part of a team, using industry-standard programming tools and applying the software development life-cycle model. They will also write and use subprograms within computer programs. Students will develop creative solutions for various types of problems as their understanding of the computing environment grows. They will also explore environmental and ergonomic issues, emerging research in computer science, and global career trends in computer-related fields.

Prerequisite: None

ICS3CV: Introduction to Computer Programming Grade 11 College Preparation

This course introduces students to computer programming concepts and practices. Students will write and test computer programs, using various problem-solving strategies. They will learn the fundamentals of program design and apply a software development life-cycle model to a software development project. Students will also learn about computer environments and systems, and explore environmental issues related to computers, safe computing practices, emerging technologies, and post-secondary opportunities in computer-related fields.

Prerequisite: None

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ENGLISH

ENG4UV: English Grade 12 University Preparation

This course emphasizes consolidation of literacy, critical thinking, and communication skills. Students 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 literary 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.

Prerequisite: English, Grade 11, University Preparation

EWC4UV: The Writer's Craft Grade 12 University Preparation

This course emphasizes knowledge and skills related to the craft of writing. Students will analyse 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 their writing. They 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.

Prerequisite: English, Grade 11, University Preparation

EWC4CV: The Writer's Craft Grade 12 College Preparation

This course emphasizes knowledge and skills related to the craft of writing. Students will investigate models of effective writing; use a workshop approach to write a variety of works; and make considered decisions for improving the quality of their writing. They will also complete a creative or analytical independent study project and investigate opportunities for publication and for writing careers.

Prerequisite: English, Grade 11, College Preparation

NBE3UV: (English) Contemporary Aboriginal Voices Grade 11 University Preparation

This course emphasizes the development of literacy, critical thinking, and communication skills through the study of works in English by Aboriginal writers. Through the analysis of literary texts and media works, students will develop an

appreciation of the wealth and complexity of Aboriginal writing. Students will also conduct research and analyse the information gathered; write persuasive and literary essays; and analyse the relationship between media forms and audiences. An important focus will be the further development of students' understanding of English-language usage and conventions.

Prerequisite: English, Grade 10, Academic

ENG3UV: English Grade 11 University Preparation

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.

Prerequisite: English, Grade 10, Academic

EPS3OV: Presentation and Speaking Skills Grade 11 Open

This course emphasizes the knowledge and skills required to plan and make effective presentations and to speak effectively in both formal and informal contexts, using such forms as reports, speeches, debates, panel discussions, storytelling, recitations, interviews, and multimedia presentations. Students will research and analyse the content and characteristics of convincing speeches and the techniques of effective speakers; design and rehearse presentations for a variety of purposes and audiences; select and use visual and technological aids to enhance their message; and assess the effectiveness of their own and others' presentations.

Prerequisite: English, Grade 10, Academic or Applied

NBE3CV: English - Contemporary Aboriginal Voices Grade 11 College Preparation

This course emphasizes the development of literacy, critical thinking, and communication skills through the study of works in English by Aboriginal writers. Students will study the content, form, and style of informational texts and literary and media works and will develop an appreciation of the wealth and complexity of Aboriginal writing. Students will also write reports, correspondence, and persuasive essays, and analyse the relationship between media forms and audiences. An important focus will

be on establishing appropriate voice and using business and technical language with precision and clarity.

Prerequisite: English, Grade 10, Academic or Applied

ENG3CV: English Grade 11 College Preparation

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.

Prerequisite: English, Grade 10, Applied

EMS3OV: Media Studies Grade 11 Open

This course emphasizes knowledge and skills that will enable students to understand media communication in the twenty-first century and to use media effectively and responsibly. Through analysing the forms and messages of a variety of media works and audience responses to them, and through creating their own media works, students will develop critical thinking skills, aesthetic and ethical judgement, and skills in viewing, representing, listening, speaking, reading, and writing.

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FRENCH AS A SECOND LANGUAGE

FSF4UV: Core French Grade 12 University Preparation

This course draws on a variety of themes to promote extensive development of French-language skills. Students will consolidate their oral skills as they discuss literature, culture, and current issues. They will read a variety of texts and will write a formal essay. The use of correct grammar and appropriate language conventions in both spoken and written French will be emphasized throughout the course.
Prerequisite: Core French, Grade 11, University Preparation

FSF3UV: Core French Grade 11 University Preparation

This course draws on a variety of themes to promote extensive development of reading and writing skills and to reinforce oral communication skills. Students will gain a greater understanding of French-speaking cultures in Canada and around the world through their reading of a variety of materials, including a short novel or a play. Students will produce various written assignments, including a formal essay. The use of correct grammar and appropriate language conventions in both spoken and written French will be emphasized throughout the course.
Prerequisite: Core French, Grade 10, Academic

FEF4UV: Extended French Grade 12 University Preparation

This course emphasizes the refinement of French-language skills through the study of Canadian and international francophone literature. Students will interpret literary works, produce written assignments in a variety of genres, and conduct research on a major topic for a written and oral presentation. The use of correct grammar and appropriate language conventions in both spoken and written French will be emphasized throughout the course.
Prerequisite: Extended French, Grade 11, University Preparation

FEF3UV: Extended French
Grade 11 University Preparation

This course focuses on developing French-language skills through the study of Canadian francophone authors. Students will analyse a range of works and produce written assignments in a variety of genres, including the formal essay. The use of correct grammar and appropriate language conventions in both spoken and written French will be emphasized throughout the course.

Prerequisite: Extended French, Grade 10, Academic

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MATHEMATICS

MDM4UV: Mathematics of Data Management Grade 12 University Preparation

This course broadens students' understanding of mathematics as it relates to managing data. Students will apply methods for organizing and analysing large amounts of information; solve problems involving probability and statistics; and carry out a culminating investigation that integrates statistical concepts and skills. Students will also refine their use of the mathematical processes necessary for success in senior mathematics. Students planning to enter university programs in business, the social sciences, and the humanities will find this course of particular interest.

Prerequisite: Functions, Grade 11, University Preparation, or Functions and Applications, Grade 11, University/College Preparation

MCT4CV: Mathematics for College Technology Grade 12 College Preparation

This course enables students to extend their knowledge of functions. Students will investigate and apply properties of polynomial, exponential, and trigonometric functions; continue to represent functions numerically, graphically, and algebraically; develop facility in simplifying expressions and solving equations; and solve problems that address applications of algebra, trigonometry, vectors, and geometry. Students will reason mathematically and communicate their thinking as they solve multi-step problems. This course prepares students for a variety of college technology programs.

Prerequisite: Functions and Applications, Grade 11, University/College Preparation, or Functions, Grade 11, University Preparation

MEL4EV: Mathematics for Work and Everyday Life Grade 12 Workplace Preparation

This course enables students to broaden their understanding of mathematics as it is applied in the workplace and daily life. Students will investigate questions involving the use of statistics; apply the concept of probability to solve problems involving familiar situations; investigate accommodation costs, create household budgets, and prepare a personal income tax return; 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.

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

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HEALTH AND PHYSICAL EDUCATION

PSK4UV: Introductory Kinesiology Grade 12 University Preparation

This course focuses on the study of human movement and of systems, factors, and principles involved in human development. Students will learn about the effects of physical activity on health and performance, the evolution of physical activity and sport, and the physiological, psychological, and social factors that influence an individual's participation in physical activity and sport. The course prepares students for university programs in physical education and health, kinesiology, health sciences, health studies, recreation, and sports administration.

Prerequisite: Any Grade 11 university or university/college preparation course in science, or any Grade 11 or 12 course in health and physical education

PPZ3CV: Health for Life Grade 11 College Preparation

This course enables students to examine the factors that influence their own health practices and behaviours as well as those factors that contribute to the development of healthy communities. It emphasizes the concept of wellness, which addresses all aspects of well-being – physical, cognitive, emotional, spiritual, and social – and promotes healthy eating, physical activity, and building and maintaining a positive sense of self. Students will develop the skills necessary to make healthy choices and create a personal wellness plan. They will also design initiatives that encourage others to lead healthy, active lives. The course prepares students for college programs in health sciences, fitness, wellness, and health promotion.

Prerequisite: None

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SCIENCE

SPH4CV: Physics **Grade 12 College Preparation**

This course develops students' understanding of the basic concepts of physics. Students will explore these concepts with respect to motion; mechanical, electrical, electromagnetic, energy transformation, hydraulic, and pneumatic systems; and the operation of commonly used tools and machines. They will develop their scientific investigation skills as they test laws of physics and solve both assigned problems and those emerging from their investigations. Students will also consider the impact of technological applications of physics on society and the environment.

Prerequisite: Science, Grade 10, Academic or Applied

SNC4MV: Science **Grade 12 University/College Preparation**

This course enables students, including those pursuing postsecondary programs outside the sciences, to increase their understanding of science and contemporary social and environmental issues in health-related fields. Students will explore a variety of medical technologies, pathogens and disease, nutritional science, public health issues, and biotechnology. The course focuses on the theoretical aspects of the topics under study and helps refine students' scientific investigation skills.

Prerequisite: Science, Grade 10, Academic, or any Grade 11 university, university/college, or college preparation course in science

SNC4EV: Science **Grade 12 Workplace Preparation**

This course provides students with fundamental science knowledge and workplace skills needed to prepare them for success beyond secondary school. Students will explore hazards in the workplace, chemicals in consumer products, disease and its prevention, electricity at home and at work, and nutritional science. Emphasis is placed on current topics in science and relevant, practical activities that develop students' literacy and mathematical literacy skills and enhance their scientific literacy.

Prerequisite: Science, Grade 10, Applied, or a Grade 10 locally developed compulsory credit (LDCC) course in science

SBI3UV Biology

Grade 11 University Preparation

This course furthers students' understanding of the processes that occur in biological systems. Students will study theory and conduct investigations in the areas of biodiversity; evolution; genetic processes; the structure and function of animals; and the anatomy, growth, and function of plants. The course focuses on the theoretical aspects of the topics under study, and helps students refine skills related to scientific investigation.

Prerequisite: Science, Grade 10, Academic

SVN3EV: Environmental Science

Grade 11 Workplace Preparation

This course provides students with the fundamental knowledge of and skills relating to environmental science that will help them succeed in work and life after secondary school. Students will explore a range of topics, including the impact of human activities on the environment; human health and the environment; energy conservation; resource science and management; and safety and environmental responsibility in the workplace. Emphasis is placed on relevant, practical applications and current topics in environmental science, with attention to the refinement of students' literacy and mathematical literacy skills as well as the development of their scientific and environmental literacy.

Prerequisite: Science, Grade 9, Academic or Applied, or a Grade 9 or 10 locally developed compulsory credit (LDCC) course in science

SCH3UV: Chemistry

Grade 11 University Preparation

This course enables students to deepen their understanding of chemistry through the study of the properties of chemicals and chemical bonds; chemical reactions and quantitative relationships in those reactions; solutions and solubility; and atmospheric chemistry and the behaviour of gases. Students will further develop their analytical skills and investigate the qualitative and quantitative properties of matter, as well as the impact of some common chemical reactions on society and the environment.

Prerequisite: Science, Grade 10, Academic

SCH4UV: Chemistry Grade 12 University Preparation

This course enables students to deepen their understanding of chemistry through the study of organic chemistry, the structure and properties of matter, energy changes and rates of reaction, equilibrium in chemical systems, and electrochemistry. Students will further develop their problem-solving and investigation skills as they investigate chemical processes and will refine their ability to communicate scientific information. Emphasis will be placed on the importance of chemistry in everyday life and on evaluating the impact of chemical technology on the environment.
Prerequisite: Chemistry, Grade 11, University Preparation

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SOCIAL STUDIES AND HUMANITIES

HZT4UV: Philosophy: Questions and Theories **Grade 12 University Preparation**

This course enables students to acquire an understanding of the nature of philosophy and philosophical reasoning skills and to develop and apply their knowledge and skills while exploring specialized branches of philosophy (the course will cover at least three of the following branches: metaphysics, ethics, epistemology, philosophy of science, social and political philosophy, aesthetics). *Students will develop critical thinking and philosophical reasoning skills as they formulate and evaluate arguments related to a variety of philosophical questions and theories. They will also develop research and inquiry skills related to the study and practice of philosophy.

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

HSC4MV: World Cultures **Grade 12 University/College Preparation**

This course examines the nature of culture; how cultural identities are acquired, maintained, and transformed; and theories used to analyse cultures. Students will explore world cultures, with an emphasis on the analysis of religious and spiritual beliefs, art forms, and philosophy. They will study the contributions and influence of a range of cultural groups and will critically analyse issues facing ethnocultural groups within Canada and around the world. Students will develop and apply research skills and will design and implement a social action initiative relating to cultural diversity.

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

HHG4MV: Human Development throughout the Lifespan **Grade 12 University/College Preparation**

This course offers a multidisciplinary approach to the study of human development throughout the lifespan. Students will learn about a range of theoretical perspectives on human development. They will examine threats to healthy development as well as protective factors that promote resilience. Students will learn about physical, cognitive, and social-emotional development from the prenatal period through old age and will develop their research and inquiry skills by investigating issues related to human development.

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

HSE4MV: Equity and Social Justice: From Theory to Practice

Grade 12 University/College Preparation

This course enables students to develop an understanding of the theoretical, social, and historical underpinnings of various equity and social justice issues and to analyse strategies for bringing about positive social change. Students will learn about historical and contemporary equity and social justice issues in Canada and globally. They will explore power relations and the impact of a variety of factors on equity and social justice. Students will develop and apply research skills and will design and implement a social action initiative relating to an equity or social justice issue.

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

HIP4OV: Personal Life Management

Grade 12 Open

This course focuses on preparing students for living independently and working successfully with others. Students will learn to manage their personal resources to meet their basic needs for food, clothing, and housing. They will also learn about their personal, legal, and financial responsibilities and develop and apply interpersonal skills in order to make wise and responsible personal and occupational choices. Students will apply research and inquiry skills while investigating topics related to personal life management. The course emphasizes the achievement of expectations through practical experiences.

Prerequisite: None

HFC3MV: Food and Culture

Grade 11 University/College Preparation

This course focuses on the flavours, aromas, cooking techniques, foods, and cultural traditions of world cuisines. Students will explore the origins of and developments in diverse food traditions. They will demonstrate the ability to cook with ingredients and equipment from a variety of cultures, compare food-related etiquette in many countries and cultures, and explain how Canadian food choices and traditions have been influenced by other cultures. Students will develop practical skills and apply social science research methods while investigating foods and food practices from around the world.

Prerequisite: None

HSG3MV: Gender Studies Grade 11 University/College Preparation

This course enables students to explore the social construction of gender. Students will learn about the dynamic nature of gender roles and norms; sexism and power relations; and the impact of representations of women and men in the media, popular culture, and the arts. Students will analyse a range of gender equity issues, including gender-based violence and workplace equity, in both Canadian and global contexts. Students will develop and apply research skills and will design and implement a social action initiative relating to gender equity.

Prerequisite: None

HSP3UV: Introduction to Psychology, Sociology and Anthropology Grade 11 University Preparation

This course provides students with opportunities to think critically about theories, questions, and issues related to anthropology, psychology, and sociology. Students will develop an understanding of the approaches and research methods used by social scientists. They will be given opportunities to explore theories from a variety of perspectives, to conduct social science research, and to become familiar with current thinking on a range of issues within the three disciplines.

Prerequisite: The Grade 10 academic course in English, or the Grade 10 academic history course (Canadian and world studies)

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