

2024-2025 Day School eLearning - Proposed Courses with Descriptions

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Regular Day School eLearning				
Course Code	Grade	Subject	Course Name	Course Description
AVI3M	11	Arts	Visual Arts	This course enables students to further develop their knowledge and skills in visual arts. Students will use the creative process to explore a wide range of themes through studio work that may include drawing, painting, sculpting, and printmaking, as well as the creation of collage, multimedia works, and works using emerging technologies. Students will use the critical analysis process when evaluating their own work and the work of others. The course may be delivered as a comprehensive program or through a program focused on a particular art form (e.g., photography, video, computer graphics, information design). Prerequisite: Visual Arts, Grade 9 or 10, Open
AWR4M	12	Arts	Film Studies	Love movies? This course is an introduction to the art, history, and analysis of film. Students will learn about the technical, aesthetic, and cultural elements of modern films, and will develop the skills necessary to analyze and interpret films. The course will cover a range of film movements, styles, and genres, and will consider the ways in which films reflect and shape the societies in which they are produced.
BAF3M	11	Business	Financial Accounting Fundamentals	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 ethics and current issues in accounting. Prerequisite: None
BBB4M	12	Business	International Business Fundamentals	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
BDI3C	11	Business	Entrepreneurship: The Venture	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 goals. Students will create a venture plan for a school-based or student-run business.Through hands-on experiences, students will have opportunities to develop the values, traits, and skills most often associated with successful entrepreneurs. Prerequisite: None
BOH4M	12	Business	Business Leadership: Management Fundamentals	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. Prerequisite: None

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Course Code	Grade	Subject	Course Name	Course Description
CGF3M	11	Geography	Forces of Nature: Physical Processes and Disasters	<p>In this course, students will explore physical processes related to the earth’s water, land, and air. They will investigate how these processes shape the planet’s natural characteristics and affect human systems, how they are involved in the creation of natural disasters, and how they influence the impacts of human disasters. Throughout the course, students will apply the concepts of geographic thinking and the geographic inquiry process and use spatial technologies to analyse these processes, make predictions related to natural disasters, and assess ways of responding to them.</p> <p>Prerequisite: Issues in Canadian Geography, Grade 9, Academic or Applied</p>
CGF3MF	11	Geography	<i>French Immersion</i> - Forces of Nature: Physical Processes and Disasters	<p>In this course, students will explore physical processes related to the earth’s water, land, and air. They will investigate how these processes shape the planet’s natural characteristics and affect human systems, how they are involved in the creation of natural disasters, and how they influence the impacts of human disasters. Throughout the course, students will apply the concepts of geographic thinking and the geographic inquiry process and use spatial technologies to analyse these processes, make predictions related to natural disasters, and assess ways of responding to them.</p> <p>Prerequisite: Issues in Canadian Geography, Grade 9, Academic or Applied</p>
CGG3O	11	Geography	Travel and Tourism: A Geographic Perspective	<p>This course focuses on issues related to travel and tourism within and between various regions of the world. Students will investigate unique environmental, sociocultural, economic, and political characteristics of selected world regions. They will explore travel patterns and trends, as well as tensions related to tourism, and will predict future tourism destinations. Students will apply the concepts of geographic thinking and the geographic inquiry process, including spatial technologies, to investigate the impact of the travel industry on natural environments and human communities.</p> <p>Prerequisite: Issues in Canadian Geography, Grade 9, Academic or Applied</p>
CGR4M	12	Geography	The Environment and Resource Management	<p>This course investigates interactions between natural and human systems, with a particular 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. In the course of 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.</p> <p>Prerequisite: Any university, university/college, or college preparation course in Canadian and world studies, English, or social sciences and humanities</p>
CGW4U	12	Geography	World Issues: A Geographic Analysis	<p>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.</p> <p>Prerequisite: Any university or university/college preparation course in Canadian and world studies, English, or social sciences and humanities</p>

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Course Code	Grade	Subject	Course Name	Course Description
CHI4U	12	History	Canada: History, Identity, and Culture	<p>This course traces the history of Canada, with a focus on the evolution of our national identity and culture as well as the identity and culture of various groups that make up Canada. Students will explore various developments and events, both national and international, from precontact to the present, and will examine various communities in Canada and how they have contributed to identity and heritage in Canada. Students will investigate the development of culture and identity, including national identity, in Canada and how and why they have changed throughout the country’s history. They will extend their ability to apply the concepts of historical thinking and the historical inquiry process, including the interpretation and analysis of evidence, as they investigate the people, events, and forces that have shaped Canada.</p> <p>Prerequisite: Any university or university/college preparation course in Canadian and world studies, English, or social sciences and humanities</p>
CHV2OF	10	Politics	<i>French Immersion</i> - Civics and Citizenship	<p>This course explores rights and responsibilities associated with being an active citizen in a democratic society. Students will explore issues of civic importance 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. This course also includes learning on digital literacy and critical-thinking skills, the mechanisms of government, Indigenous governance systems and structures, the historical foundations of the rights and freedoms we enjoy in Canada, ways in which government policy affects individuals’ lives and the economy, and ways for students to serve their communities.</p> <p>Prerequisite: None</p>
CHV2O	10	Politics	Civics and Citizenship	<p>This course explores rights and responsibilities associated with being an active citizen in a democratic society. Students will explore issues of civic importance 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. This course also includes learning on digital literacy and critical-thinking skills, the mechanisms of government, Indigenous governance systems and structures, the historical foundations of the rights and freedoms we enjoy in Canada, ways in which government policy affects individuals’ lives and the economy, and ways for students to serve their communities.</p> <p>Prerequisite: None</p>

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Course Code	Grade	Subject	Course Name	Course Description
GLC2OF	10	Guidance and Career Education	<i>French Immersion</i> - Career Studies	<p>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</p> <p>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.</p> <p>Prerequisite: None</p>
GLC2O	10	Guidance and Career Education	Career Studies	<p>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</p> <p>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.</p> <p>Prerequisite: None</p>
CHW3M	11	History	World History to the End of the Fifteenth Century	<p>This course explores the history of various societies and civilizations around the world, from earliest times to around 1500 CE. Students will investigate a range of factors that contributed to the rise, success, and decline of various ancient and pre-modern societies throughout the world and will examine life in and the cultural and political legacy of these societies. 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 social, political, and economic structures and historical forces at work in various societies and in different historical eras.</p> <p>Prerequisite: Canadian History since World War I, Grade 10, Academic or Applied</p>
CHY4U	12	History	World History since the Fifteenth Century	<p>This course traces major developments and events in world history since approximately 1450. Students will explore social, economic, and political changes, the historical roots of contemporary issues, and the role of conflict and cooperation in global interrelationships. They will extend their ability to apply the concepts of historical thinking and the historical inquiry process, including the interpretation and analysis of evidence, as they investigate key issues and ideas and assess societal progress or decline in world history.</p> <p>Prerequisite: Any university or university/college preparation course in Canadian and world studies, English, or social sciences and humanities</p>

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Course Code	Grade	Subject	Course Name	Course Description
CIA4U	12	Economics	Analysing Economic Issues	<p>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.</p> <p>Prerequisite: Any university or university/college preparation course in Canadian and world studies, English, or social sciences and humanities</p>
CLN4U	12	Law	Canadian and International Law	<p>This course explores a range of contemporary legal issues and how they are addressed in both Canadian and international law. Students will develop an understanding of the principles of Canadian and international law and of issues related to human rights and freedoms, conflict resolution, and criminal, environmental, and workplace law, both in Canada and internationally. Students will apply the concepts of legal thinking and the legal studies inquiry process, and will develop legal reasoning skills, when investigating these and other issues in both Canadian and international contexts.</p> <p>Prerequisite: Any university or university/college preparation course in Canadian and world studies, English, or social sciences and humanities</p>
CLU3M	11	Law	Understanding Canadian Law	<p>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.</p> <p>Prerequisite: Canadian History since World War I, Grade 10, Academic or Applied</p>
EMS3O	11	English	Media Studies	<p>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.</p> <p>Prerequisite: English, Grade 10, Academic or Applied</p>
ENG4C	12	English	College Prep English	<p>This course emphasizes the consolidation of literacy, communication, and critical and creative thinking skills necessary for success in academic and daily life. Students will analyse a variety of informational and graphic texts, as well as literary texts from various countries and cultures, and create oral, written, and media texts in a variety of forms for practical and academic purposes. An important focus will be on using language with precision and clarity and developing greater control in writing. The course is intended to prepare students for college or the workplace.</p> <p>Prerequisite: English, Grade 11, College Preparation</p>

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Course Code	Grade	Subject	Course Name	Course Description
ENG4U	12	English	University Prep English	<p>This course emphasizes the consolidation of the literacy, communication, and critical and creative thinking skills necessary for success in academic and daily life. Students will analyse a range of challenging literary texts from various periods, countries, and cultures; interpret and evaluate informational and graphic texts; and create oral, written, and media texts in a variety of forms. An important focus will be on using academic language coherently and confidently, selecting the reading strategies best suited to particular texts and particular purposes for reading, and developing greater control in writing. The course is intended to prepare students for university, college, or the workplace.</p> <p>Prerequisite: English, Grade 11, University Preparation</p>
EWC4U	12	English	The Writer's Craft	<p>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</p>
GLS4O	12	Guidance and Career Education	Advanced Learning Strategies: Skills for Success After Secondary School	<p>This course improves students' learning and personal-management skills, preparing them to make successful transitions to work, training, and/or postsecondary education destinations. Students will assess their learning abilities and use literacy, numeracy, and research skills and personal-management techniques to maximize their learning. Students will investigate trends and resources to support their postsecondary employment, training, and/or education choices and develop a plan to help them meet their learning and career goals.</p> <p>Prerequisite: None</p>
GWL3O	11	Guidance and Career Education	Designing Your Future	<p>This course prepares students to make successful transitions to postsecondary destinations as they investigate specific postsecondary options based on their skills, interests, and personal characteristics. Students will explore the realities and opportunities of the workplace and examine factors that affect success, while refining their job-search and employability skills. Students will develop their portfolios with a focus on their targeted destination and develop an action plan for future success.</p> <p>Prerequisite: None</p>
HFA4U	12	Social Sciences Humanities	Health and Nutrition	<p>This social science course focuses on food literacy and the relationship between health and nutrition at different stages of life (healthy eating, safe food prep practices) as well as global issues and food production (food security, environmental responsibility, sustainability...) while using social science research and inquiry methods. Food literacy means knowing where food comes from, what impacts our food choices have on the environment, knowing what grows locally and what is imported, what foods are in season, and what food is healthy.</p>

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HHS4U	12	Social Sciences Humanities	Families in Canada	<p>This course enables students to draw on sociological, psychological, and anthropological theories and research to analyse the development of individuals, intimate relationships, and family and parent-child relationships. Students will focus on issues and challenges facing individuals and families in Canada’s diverse society. They will develop analytical tools that enable them to assess various factors affecting families and to consider policies and practices intended to support families in Canada. They will develop the investigative skills required to conduct and communicate the results of research on individuals, intimate relationships, and parent-child relationships.</p> <p>Prerequisite: Any university or university/college preparation course in social sciences and humanities, English, or Canadian and world studies</p>
HLS3O	11	Social Sciences Humanities	Housing and Home Design	<p>This course introduces students to a range of issues related to housing and home design. Students will learn about the needs that housing fulfils; housing options; home maintenance and safety; and environmental, economic, legal, and social considerations related to housing. They will use the elements and principles of design to analyse design and decorating decisions. Students will develop research skills as they investigate issues related to housing and home design.</p> <p>Prerequisite: None</p>
HNC3C	11	Social Sciences Humanities	Understanding Fashion	<p>This course introduces students to the world of fashion. Students will gain an understanding of theories related to fashion trends and of how culture, media, fashion cycles, retailing, and social and environmental factors influence fashion trends and consumer behaviour. Students will use various tools, technologies, and techniques safely and correctly to create fashion items. In addition, students will apply knowledge of fibres, fabrics, and the elements and principles of design when creating and assessing fashion-related products.</p>
HPC3O	11	Social Sciences Humanities	Raising Healthy Children	<p>This course focuses on the skills and knowledge parents, guardians, and caregivers need, with particular emphasis on maternal health, pregnancy, birth, and the early years of human development (birth to six years old). Through study and practical experience, students will learn how to meet the developmental needs of young children, communicate with them, and effectively guide their early behaviour. Students will develop their research skills through investigations related to caregiving and child rearing.</p> <p>Prerequisite: None</p>
HSB4U	12	Social Sciences Humanities	Challenge and Change in Society	<p>This course focuses on the use of social science theories, perspectives, and methodologies to investigate and explain shifts in knowledge, attitudes, beliefs, and behaviour and their impact on society. Students will critically analyse how and why cultural, social, and behavioural patterns change over time. They will explore the ideas of social theorists and use those ideas to analyse causes of and responses to challenges such as technological change, deviance, and global inequalities. Students will explore ways in which social science research methods can be used to study social change.</p> <p>Prerequisite: Any university or university/college preparation course in social sciences and humanities, English, or Canadian and world studies</p>

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HSB4UF	12	Social Sciences Humanities	<i>French Immersion</i> - Challenge and Change in Society	<p>This course focuses on the use of social science theories, perspectives, and methodologies to investigate and explain shifts in knowledge, attitudes, beliefs, and behaviour and their impact on society. Students will critically analyse how and why cultural, social, and behavioural patterns change over time. They will explore the ideas of social theorists and use those ideas to analyse causes of and responses to challenges such as technological change, deviance, and global inequalities. Students will explore ways in which social science research methods can be used to study social change.</p> <p>Prerequisite: Any university or university/college preparation course in social sciences and humanities, English, or Canadian and world studies</p>
HSC4M	12	Social Sciences Humanities	World Cultures	<p>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.</p> <p>Prerequisite: Any university, college, or university/college preparation course in social sciences and humanities, English, or Canadian and world studies</p>
HSE4M	12	Social Sciences Humanities	Equity and Social Justice: From Theory to Practice	<p>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.</p> <p>Prerequisite: Any university, college, or university/college preparation course in social sciences and humanities, English, or Canadian and world studies</p>
HSG3M	11	Social Sciences Humanities	Gender Studies	<p>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.</p> <p>Prerequisite: None</p>
HSP3C	11	Social Sciences Humanities	Introduction to Anthropology, Psychology, and Sociology	<p>This course introduces students to theories, questions, and issues related to anthropology, psychology, and sociology. Students learn about approaches and research methods used by social scientists. Students will be given opportunities to apply theories from a variety of perspectives, to conduct social science research, and to become familiar with current issues within the three disciplines.</p> <p>Prerequisite: None</p>

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HSP3U	11	Social Sciences Humanities	Introduction to Anthropology, Psychology, and Sociology	<p>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.</p> <p>Prerequisite: The Grade 10 academic course in English, or the Grade 10 academic history course (Canadian and world studies)</p>
HSP3UF	11	Social Sciences Humanities	<i>French Immersion</i> - Introduction to Anthropology, Psychology, and Sociology	<p>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.</p> <p>Prerequisite: The Grade 10 academic course in English, or the Grade 10 academic history course (Canadian and world studies)</p>
HZT4U	12	Social Sciences Humanities	Philosophy: Questions and Theories	<p>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.</p> <p>Prerequisite: Any university or university/college preparation course in social sciences and humanities, English, or Canadian and world studies</p>
ICS3C	11	Computer Studies	Introduction to Computer Programming	<p>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 postsecondary opportunities in computer-related fields.</p> <p>Prerequisite: None</p>
ICS3U	11	Computer Studies	Introduction to Computer Science	<p>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.</p> <p>Prerequisite: None</p>

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Course Code	Grade	Subject	Course Name	Course Description
ICS4C	12	Computer Studies	Computer Programming	<p>This course further develops students’ computer programming skills. Students will learn object-oriented programming concepts, create object-oriented software solutions, and design graphical user interfaces. Student teams will plan and carry out a software development project using industry-standard programming tools and proper project management techniques. Students will also investigate ethical issues in computing and expand their understanding of environmental issues, emerging technologies, and computer-related careers.</p> <p>Prerequisite: Introduction to Computer Programming, Grade 11, College Preparation</p>
ICS4U	12	Computer Studies	Computer Science	<p>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.</p> <p>Prerequisite: Introduction to Computer Science, Grade 11, University Preparation</p>
MAP4C	12	Mathematics	Foundations for College Mathematics	<p>This course enables students to broaden their understanding of real-world applications of mathematics. Students will analyse data using statistical methods; solve problems involving applications of geometry and trigonometry; solve financial problems connected with annuities, budgets, and renting or owning accommodation; simplify expressions; and solve equations. Students will reason mathematically and communicate their thinking as they solve multi-step problems. This course prepares students for college programs in areas such as business, health sciences, and human services, and for certain skilled trades.</p> <p>Prerequisite: Foundations for College Mathematics, Grade 11, College Preparation, or Functions and Applications, Grade 11, University/College Preparation</p>
MBF3C	11	Mathematics	Foundations for College Mathematics	<p>This course enables students to broaden their understanding of mathematics as a problemsolving tool in the real world. Students will extend their understanding of quadratic relations; investigate situations involving exponential growth; solve problems involving compound interest; solve financial problems connected with vehicle ownership; develop their ability to reason by collecting, analysing, and evaluating data involving one variable; connect probability and statistics; and solve problems in geometry and trigonometry. Students will consolidate their mathematical skills as they solve problems and communicate their thinking.</p> <p>Prerequisite: Foundations of Mathematics, Grade 10, Applied</p>
MCR3U	11	Mathematics	Functions	<p>This course introduces the mathematical concept of the function by extending students’ experiences with linear and quadratic relations. Students will investigate properties of discrete and continuous functions, including trigonometric and exponential functions; represent functions numerically, algebraically, and graphically; solve problems involving applications of functions; investigate inverse functions; and develop facility in determining equivalent algebraic expressions. Students will reason mathematically and communicate their thinking as they solve multi-step problems.</p> <p>Prerequisite: Principles of Mathematics, Grade 10, Academic</p>

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Course Code	Grade	Subject	Course Name	Course Description
MCV4U	12	Mathematics	Calculus and Vectors	<p>This course builds on students’ previous experience with functions and their developing understanding of rates of change. Students will solve problems involving geometric and algebraic representations of vectors and representations of lines and planes in threedimensional space; broaden their understanding of rates of change to include the derivatives of polynomial, sinusoidal, exponential, rational, and radical functions; and apply these concepts and skills to the modelling of real-world relationships. Students will also refine their use of the mathematical processes necessary for success in senior mathematics. This course is intended for students who choose to pursue careers in fields such as science, engineering, economics, and some areas of business, including those students who will be required to take a university-level calculus, linear algebra, or physics course.</p> <p>Note: The new Advanced Functions course (MHF4U) must be taken prior to or concurrently with Calculus and Vectors (MCV4U).</p>
MDM4U	12	Mathematics	Mathematics of Data Management	<p>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.</p> <p>Prerequisite: Functions, Grade 11, University Preparation, or Functions and Applications, Grade 11, University/College Preparation</p>
MHF4U	12	Mathematics	Advanced Functions	<p>This course extends students’ experience with functions. Students will investigate the properties of polynomial, rational, logarithmic, and trigonometric functions; develop techniques for combining functions; broaden their understanding of rates of change; and develop facility in applying these concepts and skills. Students will also refine their use of the mathematical processes necessary for success in senior mathematics. This course is intended both for students taking the Calculus and Vectors course as a prerequisite for a university program and for those wishing to consolidate their understanding of mathematics before proceeding to any one of a variety of university programs. Prerequisite: Functions, Grade 11, University Preparation, or Mathematics for College Technology, Grade 12, College Preparation</p>
NBE3U	11	English	English: Understanding Contemporary First Nations, Métis, and Inuit Voices	<p>This course explores the themes, forms, and stylistic elements of a variety of literary, informational, graphic, oral, cultural, and media text forms emerging from First Nations, Métis, and Inuit cultures in Canada, and also examines the perspectives and influence of texts that relate to those cultures. In order to fully understand contemporary text forms and their themes of identity, relationship, and self-determination, sovereignty, or selfgovernance, students will analyse the changing use of text forms by Indigenous authors/creators from various periods and cultures in expressing ideas related to these themes. Students will also create oral, written, and media texts to explore their own ideas and understanding, focusing on the development of literacy, communication, and critical and creative thinking skills necessary for success in academic and daily life. The course is intended to prepare students for the compulsory Grade 12 English university or college preparation course.</p> <p>Prerequisite: English, Grade 10, Academic</p>

2024-2025 Day School eLearning - Proposed Courses with Descriptions

**Actual course offerings are subject to change based on student requests*

Regular Day School eLearning				
Course Code	Grade	Subject	Course Name	Course Description
OLC4O	12	English	Ontario Secondary School Literacy Course	<p>This course is designed to help students acquire and demonstrate the cross-curricular literacy skills that are evaluated by the Ontario Secondary School Literacy Test (OSSLT). Students who complete the course successfully will meet the provincial literacy requirement for graduation. Students will read a variety of informational, narrative, and graphic texts and will produce a variety of forms of writing, including summaries, information paragraphs, opinion pieces, and news reports. Students will also maintain and manage a portfolio containing a record of their reading experiences and samples of their writing.</p> <p>Eligibility requirement: Students who have been eligible to write the OSSLT at least twice and who have been unsuccessful at least once are eligible to take the course. (Students who have already met the literacy requirement for graduation may be eligible to take the course under special circumstances, at the discretion of the principal.)</p>
PPZ3C	11	Health and Physical Education	Health for Life	<p>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.</p> <p>Prerequisite: None</p>
PSK4U	12	Health and Physical Education	Introductory Kinesiology	<p>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.</p> <p>Prerequisite: Any Grade 11 university or university/college preparation course in science, or any Grade 11 or 12 course in health and physical education</p>
SBI3C	11	Science	Biology	<p>This course focuses on the processes that occur in biological systems. Students will learn concepts and theories as they conduct investigations in the areas of cellular biology, microbiology, genetics, the anatomy of mammals, and the structure of plants and their role in the natural environment. Emphasis will be placed on the practical application of concepts, and on the skills needed for further study in various branches of the life sciences and related fields.</p> <p>Prerequisite: Science, Grade 10, Academic or Applied</p>
SBI3U	11	Science	Biology	<p>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.</p> <p>Prerequisite: Science, Grade 10, Academic</p>

2024-2025 Day School eLearning - Proposed Courses with Descriptions

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Regular Day School eLearning				
Course Code	Grade	Subject	Course Name	Course Description
SCH3U	11	Science	Chemistry	<p>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.</p> <p>Prerequisite: Science, Grade 10, Academic</p>
SCH4C	12	Science	Chemistry	<p>This course enables students to develop an understanding of chemistry through the study of matter and qualitative analysis, organic chemistry, electrochemistry, chemical calculations, and chemistry as it relates to the quality of the environment. Students will use 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 the effects of technological applications and processes on society and the environment.</p> <p>Prerequisite: Science, Grade 10, Academic or Applied</p>
SCH4U	12	Science	Chemistry	<p>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.</p> <p>Prerequisite: Chemistry, Grade 11, University Preparation</p>
SES4U	12	Science	Earth and Space Science	<p>This course develops students’ understanding of Earth and its place in the universe. Students will investigate the properties of and forces in the universe and solar system and analyse techniques scientists use to generate knowledge about them. Students will closely examine the materials of Earth, its internal and surficial processes, and its geological history, and will learn how Earth’s systems interact and how they have changed over time. Throughout the course, students will learn how these forces, processes, and materials affect their daily lives. The course draws on biology, chemistry, physics, and mathematics in its consideration of geological and astronomical processes that can be observed directly or inferred from other evidence.</p> <p>Prerequisite: Science, Grade 10, Academic</p>
SNC4M	12	Science	Science	<p>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.</p> <p>Prerequisite: Science, Grade 10, Academic, or any Grade 11 university, university/college, or college preparation course in science</p>

2024-2025 Day School eLearning - Proposed Courses with Descriptions

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Regular Day School eLearning				
Course Code	Grade	Subject	Course Name	Course Description
SPH3U	11	Science	Physics	<p>This course develops students’ understanding of the basic concepts of physics. Students will explore kinematics, with an emphasis on linear motion; different kinds of forces; energy transformations; the properties of mechanical waves and sound; and electricity and magnetism. They will enhance their scientific investigation skills as they test laws of physics. In addition, they will analyse the interrelationships between physics and technology, and consider the impact of technological applications of physics on society and the environment.</p> <p>Prerequisite: Science, Grade 10, Academic</p>
SPH4C	12	Science	Physics	<p>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.</p> <p>Prerequisite: Science, Grade 10, Academic or Applied</p>
SPH4U	12	Science	Physics	<p>This course enables students to deepen their understanding of physics concepts and theories. Students will continue their exploration of energy transformations and the forces that affect motion, and will investigate electrical, gravitational, and magnetic fields and electromagnetic radiation. Students will also explore the wave nature of light, quantum mechanics, and special relativity. They will further develop their scientific investigation skills, learning, for example, how to analyse, qualitatively and quantitatively, data related to a variety of physics concepts and principles. Students will also consider the impact of technological applications of physics on society and the environment.</p> <p>Prerequisite: Physics, Grade 11, University Preparation</p>
TGP3M	11	Technology	Communications - Smartphone Photography	<p>Addicted to your smartphone? Use it to your advantage and learn how to increase your followers and likes by sharing <i>lit</i> photos you took! In this course, you'll learn the history of photography, tips for taking amazing photos with your smartphone, photo editing techniques for enhancing those photos and how to build a portfolio worthy of a college application. (smartphones will <i>not</i> be provided)</p>
THJ3M	11	Technology	Green Industries	<p>This course enables students to develop knowledge and skills related to agriculture, forestry, horticulture, and landscaping. Students will study the identification, growth, and management of plants and animals and develop process, design, and management skills required in the green industries. Students will also examine social and economic issues related to the green industries, learn about safe and healthy working practices, study industry standards and codes, and will explore postsecondary education programs and career opportunities.</p> <p>Prerequisite: None</p>
TPJ3M	11	Technology	Healthcare (Practical Nursing)	<p>course enables students to develop their understanding of basic health care procedures, including the safe use of appropriate instruments, equipment, and materials. Students will focus on health care fundamentals, including the anatomical features and physiology of the major body systems and the factors that affect homeostasis in the human body. Students will develop an awareness of health and safety issues in the health care field, analyse environmental and societal issues related to health care, and learn about professional practice standards and career opportunities in the field.</p> <p>Prerequisite: None</p>

2024-2025 Day School eLearning - Proposed Courses with Descriptions

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Regular Day School eLearning				
Course Code	Grade	Subject	Course Name	Course Description
TOJ4C	12	Technology	Child Development and Gerontology	<p>This course enables students to examine the stages of child development and the aging process. Students will study the processes of disease and factors contributing to health and well-being in early and later life, and will develop skills required to meet the needs of children and older adults (care skills). Students will also learn about legislation governing the care of children and older adults; evaluate social and recreational activities, programs, and services for improving quality of life; and develop an awareness of health and safety issues, environmental and social issues, and career opportunities related to child care and gerontology.</p> <p>Prerequisite: None</p>