

Course Code	Course Name	Grade	Type	Department	Description
ADA1O1	Drama	9	Open	Art	This course provides opportunities for students to explore dramatic forms and techniques, using material from a wide range of sources and cultures. Students will use the elements of drama to examine situations and issues that are relevant to their lives. Students will create, perform, discuss, and analyze drama, and then reflect on the experiences to develop an understanding of themselves, the art form, and the world around them.
AMU1O1	Music	9	Open	Art	Course Outline: This course emphasizes the creation and performance of music at a level consistent with previous experience and is aimed at developing technique, sensitivity, and imagination. Students will develop musical literacy skills by using the creative and critical analysis process in composition, performance, and a range of reflective and analytical activities. Students will develop an understanding of the conventions and elements of music and of safe practices related to music, and will develop a variety of skills transferable to other areas of their life. Prerequisite: None
BEM1O1	Building the Entrepreneurial Mindset	9	Open	Business Studies	In this course, students will learn what makes an entrepreneur thrive and the skills required to succeed in today's business environment. Students will begin to develop their own entrepreneurial mindset, and learn why it's important to take initiative, adapt to change, find creative solutions, and understand the financial considerations of entrepreneurship. This hands-on course will use business software and applications to help students plan and develop their entrepreneurial ideas and learn how to present them to a target audience. Throughout the course, students enhance their communications skills as well as develop and refine their project management skills, including goal setting, time management, and networking.
CGC1W7	Issues in Canadian Geography	9	IB/Destreamed		This course is only available to IB students.
CGC1W1	Issues in Canadian Geography	9	Destreamed	Geography	This course examines interrelationships within and between Canada's natural and human systems and how these systems interconnect with other parts of the world. Students will explore environmental, economic, and social geographic issues relating to topics such as transportation options, energy choices, and urban development. Students will apply the concepts of geographic thinking and the geographic inquiry process including spatial technologies, to investigate various geographic issues and to develop possible approaches for making Canada a more sustainable place to live. Prerequisite: None
CGC1WB	Pre-IB- Extended French Canadian Geography	9	IB/Destreamed	Geography	This course is for Pre-IB students only. This course examines interrelationships within and between Canada's natural and human systems and these systems interconnect with those in other parts of the world. Students will explore environmental, economic, and social geographic issues relating to topics such as transportation options, energy choices, and urban development. Students will apply the concepts of geographic thinking and the geographic inquiry process, including spatial technologies, to investigate various geographic issues and to develop possible approaches for making Canada a more sustainable place in which to live.
CGC1WF	CDN Geography (Extended French)	9	Academic	Geography	This course explores Canada's distinct and changing character and the geographic systems and relationships that shape it. Students will investigate the interactions of natural and human systems within Canada, as well as Canada's economic, cultural, and environmental connections to other countries. Students will use a variety of geotechnologies and inquiry and communication methods to analyse and evaluate geographic issues and present their findings.
ENL1W1	English	9	Destreamed	English	This course is designed to develop the oral communication, reading, writing, and media literacy skills that students need for success in their secondary school academic programs and in their daily lives. Students will analyse literary texts from contemporary and historical periods, interpret informational and graphic texts, and create oral, written, and media texts in a variety of forms. An important focus will be on the use of strategies that contribute to effective communication. The course is intended to prepare students for the Grade 10 academic English course, which leads to university or college preparation courses in Grades 11 and 12. Students considering moving from one destination to another (e.g., applying to academic; academic to applied) are strongly encouraged to take a summer school course to encourage success in the transition.
ENL1W7	English	9	IB/Destreamed		This course is only available to IB students.
ENG1L1	English	9	Locally Developed	English	This course is designed to develop the key oral communication, reading, writing, and media literacy skills students need for success in secondary school and daily life. Students will read, interpret, and create a variety of informational, literary, and graphic texts. An important focus will be identifying and using appropriate strategies and processes to improve students' comprehension of texts and to help them communicate clearly and effectively. The course is intended to prepare students for the Grade 10 applied English course, which leads to college or workplace preparation courses in Grades 11 and 12.
ESLAO1	English as a Second Language	9	Open	English	This course builds on students' previous education and language knowledge to introduce the English language and help students adjust to their new cultural environment. Students will use beginning English language skills in listening, speaking, reading, and writing for everyday and essential academic purposes; use basic English language structures and simple sentence patterns in short conversations; read short adapted texts; and phrases and short sentences. The course also provides students with the knowledge and skills they need to begin to adapt to their new lives in Canada.
ESLBO1	English as a Second Language	9	Open	English	This course builds on students' previous education and language knowledge to introduce the English language and help students adjust to their new cultural environment. Students will use beginning English language skills in listening, speaking, reading, and writing for everyday and essential academic purposes; use basic English language structures and simple sentence patterns in short conversations; read short adapted texts; and phrases and short sentences. The course also provides students with the knowledge and skills they need to begin to adapt to their new lives in Canada.
ESLCO1	English as a Second Language	9	Open	English	This course extends students' skills in listening, speaking, reading, and writing in English for a variety of everyday and academic purposes. Students will make short classroom presentations; read a variety of adapted and original texts in English; and write using a variety of forms of text. Students will also expand their academic vocabulary and their study skills to facilitate the transition to the mainstream school program. This course also introduces students to the rights and responsibilities inherent in Canadian citizenship, and to a variety of current Canadian issues.
ESLDO1	English as a Second Language, Level	9	Open	English	This course prepares students to use English with increasing fluency and accuracy in classroom and social situations and to participate in Canadian society as informed citizens. Students will develop the reading, writing, and oral presentation skills required for success in all school subjects. Students will study and interpret a variety of grade-level texts; extend listening and speaking skills through participation in discussions and seminars; write narratives, articles, and summaries in English; and respond critically to various print and media texts.
FEF1DF	Extended French	9	Academic	French as a Second Language	This course provides opportunities for students to speak and interact in French in a variety of real-life and personally relevant contexts. Students will continue to use language-learning strategies introduced in the elementary Extended French program. They will develop their creative and critical thinking skills, through independently responding to and interacting with a variety of oral and written texts, and will continue to enhance their understanding and appreciation of diverse French-speaking communities. They will also develop the skills necessary to become life-long language learners. Prerequisite: Minimum of 1260 hours of instruction in elementary Extended French, or equivalent
FSF1D7	CORE FRENCH	9	IB/Destreamed		This course is only available to IB students.
FSF1D1	Core French	9	Destreamed	French as a Second Language	This course provides opportunities for students to communicate and interact in French with increasing independence, with a focus on familiar topics related to their daily lives. Students will continue to develop language knowledge and skills by using language-learning strategies introduced in the elementary Core French program, and will apply creative and critical thinking skills in various ways. They will also enhance their understanding and appreciation of diverse French-speaking communities, and will develop the skills necessary to become life-long language learners. Prerequisite: Minimum of 600 hours of elementary Core French instruction, or equivalent
GLE1O1	Learning Strategies	9	Open	Guidance and Career Education	This course focuses on learning strategies to help students become better, more independent learners. Students will learn how to develop and apply literacy and numeracy skills, personal management skills, and interpersonal and teamwork skills to improve their learning and achievement in school, the workplace and the community. The course helps students build confidence and motivation to pursue opportunities for success in secondary school and beyond.
GLS1O1	Learning Strategies	9	Open	Guidance and Career Education	This course focuses on learning strategies to help students become better, more independent learners. Students will learn how to develop and apply literacy and numeracy skills, personal management skills, and interpersonal and teamwork skills to improve their learning and achievement in school, the workplace and the community. The course helps students build confidence and motivation to pursue opportunities for success in secondary school and beyond.
HRE1O1	Religious Education	9	Open	Religion	This course engages students in the examination of the Christian narrative as revealed in Sacred Scripture. Students are invited to a deeper understanding of both the joy and the demands of living out the call to discipleship as it is described in the Scriptures. Students explore discipleship as encountered in the Sacred Tradition of the Church (Sacraments, Liturgical Year and Church Teaching and Law), as part of their ongoing personal growth and faith understanding. Students explore Catholic rituals, teaching, practice, morals and values, and virtues to facilitate a healthy and covenantal relationship with self, God and with others. Using theological reflection, they are challenged to explore the connections and disconnections of ethical concepts (euthanasia, abortion, sexuality, etc.) between the Church and contemporary culture. The course focuses on encouraging students to know and love by following in the footsteps of Jesus. As they learn of his words and deeds, they discover the importance of prayerfully serving the community to bring about the Reign of God.  Prerequisite: None
MAT1L1	Mathematics	9	Locally Developed	Mathematics	This course provides students who have experienced difficulties in previous mathematics courses an opportunity to obtain sufficient background and skill development to prepare them for Grade 11 and 12 Workplace Preparation courses. Whenever possible, ideas will be presented in a real-world context providing students with an opportunity to explore, organize, interpret, and use mathematical models to solve problems. Technology and manipulative materials will be used wherever appropriate.
MTH1W1	Mathematics for Work and Home	9	Destreamed	Mathematics	This course enables students to consolidate, and continue to develop, an understanding of mathematical concepts related to number sense and operations, algebra, measurement, geometry, data, probability, and financial literacy. Students will use mathematical processes, mathematical modelling, and coding to make sense of the mathematics they are learning and to apply their understanding to culturally responsive and real-world situations. Students will continue to enhance their mathematical reasoning skills, including proportional reasoning, spatial reasoning and algebraic reasoning, as they solve problems and communicate their thinking.
MTH1W7	Mathematics for Work and Home	9	Destreamed/IB		This course is only available to IB students.
NAC1O	Expressing Aboriginal Cultures	9	Open	Art	This course examines Aboriginal cultures in Canada through an exploration of art forms – painting, sculpture, storytelling, dance, and music – created by Aboriginal artists. Students will learn to identify Aboriginal art forms and describe relationships between the art forms and Aboriginal traditions, philosophy, and culture. Students will also create their own art forms to express their understanding of Aboriginal identity, relationships, and sovereignty.
PPL1OF	Healthy Active Living Female	9	Open	Physical Education	This course enables students to further develop the knowledge and skills they need to make healthy choices now and lead healthy, active lives in the future. Through participation in a wide range of physical activities, students develop knowledge and skills related to movement competence and personal fitness that provide a foundation for active living. Students also acquire an understanding of the factors and skills that contribute to healthy development and learn how their own well-being is affected by, and affects, the world around them. Students build their sense of self and learn to interact positively with others, and develop their ability to think critically and creatively
PPL1OM	Healthy Active Living Male	9	Open	Physical Education	This course enables students to further develop the knowledge and skills they need to make healthy choices now and lead healthy, active lives in the future. Through participation in a wide range of physical activities, students develop knowledge and skills related to movement competence and personal fitness that provide a foundation for active living. Students also acquire an understanding of the factors and skills that contribute to healthy development and learn how their own well-being is affected by, and affects, the world around them. Students build their sense of self and learn to interact positively with others, and develop their ability to think critically and creatively
SNC1W1	Science	9	Destreamed	Science	This course enables students to develop their understanding of basic concepts in biology, chemistry, earth and space science, and physics, and to relate science to technology, society, and the environment. Throughout the course, students will develop their skills in the processes of scientific investigation. Students will acquire an understanding of scientific theories and conduct investigations related to sustainable ecosystems; atomic and molecular structures and the properties of elements and compounds; the study of the universe and its properties and components; and principles of electricity. Prerequisite: None
SNC1W7	Science	9	IB/Destreamed		This course is only available to IB students.
SNC1L1	Science	9	Locally Developed	Science	This is an introductory course in science that will allow you to learn about the basic concepts involved in biology, chemistry, physics and scientific inquiry. Each of these topics explore a range of topics including life-sustaining processes in simple and complex organisms, properties of common materials, electrical circuits and science in daily life. The course is designed to help you develop your mathematical and scientific process skills to continue developing your skills in reading, writing and oral language through practical and relevant science activities. You will be asked to design and conduct investigations related to the 4 topics of study allowing you to put your practical problem solving abilities to use and to apply your knowledge of science to everyday situations. This course will provide you with considerable knowledge in science and prepare you for the next level of study and success in everyday life. If you wish to continue study science this course prepares you for the Grade 11 Workplace Preparation course.
TFJ1O1	Exploring Hospitality	9	Open	Technological Education	This course explores the factors that affect attitudes and decisions about food, examines current issues of body image and food marketing, and is grounded in the scientific study of nutrition. Students will learn how to make informed food choices and how to prepare foods, and will investigate our Canadian food heritage and food industries, as well as global food issues. The course also introduces students to research skills related to food and nutrition.

TGJ101	Digital Making and Expression	9	Open	Technological Education	This exploratory course introduces students to concepts and skills in communications technology, which encompasses television/video and production, radio and audio production, print and graphic communications, photography, and interactive new media and animation. Student develop an awareness of related environmental and societal issues, and will begin to explore secondary and postsecondary pathways leading careers in the field
TXJ101	Exploring Hairstyling and Aesth	9	Open	Technological Education	This exploratory course introduces students to concepts and skills related to hairstyling and aesthetics, including hair, nail, and skin care applications. Students will develop an awareness of related environmental and societal issues and will begin to explore secondary and postsecondary pathways leading to careers in the field.Prerequisite: None
ADA201	Drama	10	Open	Art	Course Outline: This course provides opportunities for students to explore dramatic forms, conventions, and techniques. Students will explore variety of dramatic sources from various cultures and representing a range of genres. Students will use the elements of drama in creating and communicating through dramatic works. Students will assume responsibility for decisions made in the creative and collaborative processes and reflect on their experiences. Prerequisite: None
AMG201	Guitar Music	10	Open	Art	Course Outline: This course emphasizes performance of music at an intermediate level that strikes a balance between challenge and skill. Student learning will include participating in creative activities and listening perceptively. Students will also be required to develop a thorough understanding of the language of music, including the elements, terminology, and history. The focus of this course will be on Guitar. Prerequisite: None
AVI201	Visual Arts-Comprehensive	10	Open	Art	Course Outline: This course enables students to develop their skills in producing and presenting art by introducing them to new ideas, materials and processes for artistic exploration and experimentation. Students will apply the elements and principles of design when exploring the creative process. Students will use the critical analysis process to reflect on and interpret art within a personal, contemporary, and historical context. Prerequisite: None
BEP201	Launching and Leading a Business	10	Open	Business Studies	This course introduces students to the world of business and what is required to be successful, ethical, and responsible in today's economy. Students will develop the knowledge and skills needed to be an entrepreneur who knows how to respond to local and global market opportunities. Throughout the course, students will explore and understand the responsibility of managing different functions of a business. This includes accounting, marketing, information and communication technology, financial management, human resources, and production.
CHC2DB	Pre-IB-Extended French Canadian History since WW1	10	Academic	History	This course is for IB students only. This course explores social, economic, and political developments and events and their impact on the lives of different individuals, groups, and communities, including First Nations, Métis, and Inuit individuals and communities, in Canada since 1914. Students will examine the role of conflict and cooperation in Canadian society, Canada's evolving role within the global community, and the impact of various individuals, organizations, and events on identities, citizenship, and heritage in Canada. Students will develop an understanding of the political developments and government policies that have had a lasting impact on First Nations, Métis, and Inuit individuals and communities. They will develop their ability to apply the concepts of historical thinking and the historical inquiry process, including the interpretation and analysis of evidence, when investigating key issues and events in Canadian history since 1914.
CHC2D1	Canadian History since WW1	10	Academic	History	This course explores social, economic, and political developments and events and their impact on the lives of different groups in Canada since 1914. Students will examine the role of conflict and cooperation in Canadian society, Canada's evolving role within the global community, and the impact of various individuals, organizations, and events on Canadian identity, citizenship, and heritage. They will develop their ability to apply concepts of historical thinking and the historical inquiry process, including the interpretation and analysis of evidence, when investigating key issues and events in Canadian history since 1914. Prerequisite: None
CHC2D7	Pre-IB-Canadian History since WW1	10	Academic	History	Available only to Per-IB-Student. This course explores social, economic, and political developments and events and their impact on the lives of different groups in Canada since 1914. Students will examine the role of conflict and cooperation in Canadian society, Canada's evolving role within the global community, and the impact of various individuals, organizations, and events on Canadian identity, citizenship, and heritage. They will develop their ability to apply the concepts of historical thinking and the historical inquiry process, including the interpretation and analysis of evidence, when investigating key issues and events in Canadian history since 1914.
CHC2DF	CDN History (Extended French)	10	Academic	History	This course explores the local, national, and global forces that have shaped Canada's national identity from World War I to the present. Students will investigate the challenges presented by economic, social, and technological changes and explore the contributions of individuals and groups to Canadian culture and society during this period. Students will use critical-thinking and communication skills to evaluate various interpretations of the issues and events of the period and to present their own points of view.(Students selecting CHC2DF must also select FEF2D)
CHC2L1	Canadian History	10	Locally Developed	History	This locally developed course in Canadian history provides students with the opportunity to complete the compulsory credit for history that is required to graduate. It will lead to other workplace courses at the senior level.
CHC2P1	Canadian History since World War I	10	Applied	History	This course focuses on the social context of historical developments and events and how they have affected the lives of people in Canada since 1914. Students will explore interactions between various communities in Canada as well as contributions of individuals and groups to Canadian heritage and identity. Students will develop their ability to apply the concepts of historical thinking and the historical inquiry process, including interpretation and analysis of evidence, when investigating the continuing relevance of historical developments and how they have helped shape communities in present-day Canada. Prerequisite: None
CHV2O5	Civics and Citizenship(0.5credit)	10	Open	Civics	This course explores rights and responsibilities associated with being an active citizen in a democratic society. Students will explore issues of 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
ENG2D1	English	10	Academic	English	This course is designed to extend the range of oral communication, reading, writing, and media literacy skills that students need for success in secondary school academic programs and in their daily lives. Students will analyse literary texts from contemporary and historical periods, interpret and evaluate informational and graphic texts, and create oral, written, and media texts in a variety of forms. An important focus will be the selective use of strategies that contribute to effective communication. This course is intended to prepare students for the compulsory Grade 11 university or college preparation course. Students considering moving from one destination to another (e.g., applied to academic; academic to applied) are strongly encouraged to take a summer school course to encourage success in the transition.
ENG2D7	Pre-IB-English	10	Academic	English	Available only to Pre-IB-Student. This course is designed to extend the range of oral communication, reading, writing, and media literacy skills that students need for success in their secondary school academic programs and in their daily lives. Students will analyse literary texts from contemporary and historical periods, 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 the selective use of strategies that contribute to effective communication. This course is intended to prepare students for the International Baccalaureate Grade 11 university English course.
ENG2L1	English	10	Locally Developed	English	In this course, students focus on extending their literacy and communication skills to prepare for success in their daily lives, in the workplace. This course is organized by strands that extend listening and talking skills, reading and viewing skills, and writing skills. In all strands, the focus is on refining foundational literacy skills and on using language clearly and accurately in a variety of authentic contexts. Students build on their strengths and engage in the processes involved in talking, listening, reading, viewing, writing, and thinking. Students reflect regularly upon their growth in these areas.
ENG2P1	English	10	Applied	English	This course is designed to extend the range of oral communication, reading, writing, and media literacy skills that students need for success in secondary school and daily life. Students will study and create a variety of informational, literary, and graphic texts. An important focus will be the consolidation of strategies and processes that help students interpret texts and communicate clearly and effectively. This course is intended to prepare students for the compulsory Grade 11 college or workplace preparation course. Students considering moving from one destination to another (e.g., applied to academic; academic to applied) are strongly encouraged to take a summer school course to encourage success in the transition.
FEF2DF	Extended French	10	Academic	Français	This course provides extensive opportunities for students to use their communication skills in French and to apply language-learning strategies. Students will respond to and interact with French oral and written texts in a variety of real-life contexts, using their creative and critical thinking skills to explore and evaluate information and ideas in the texts. Students will increase their knowledge of the language through the study of French-Canadian authors. They will also continue to increase their understanding and appreciation of French-speaking communities and to develop the skills necessary to become life-long language learners. Prerequisite: Extended French, Grade 9, Academic
FEF2D7	Pre-IB-Extended French	10	Academic	Français	This course provides extensive opportunities for students to use their communication skills in French and to apply language-learning strategies. Students will respond to and interact with French oral and written texts in a variety of real-life contexts, using their creative and critical thinking skills to explore and evaluate information and ideas in the texts. Students will increase their knowledge of the language through the study of French-Canadian authors. They will also continue to increase their understanding and appreciation of French-speaking communities and to develop the skills necessary to become life-long language learners. Prerequisite: Extended French, Grade 9, Academic
FSF2D1	Core French	10	Academic	Français	This course provides opportunities for students to communicate in French about personally relevant, familiar, and academic topics in real-life situations with increasing independence. Students will exchange information, ideas, and opinions with others in guided and increasingly spontaneous spoken interactions. Students will continue to develop their language knowledge and skills through the selective use of strategies that contribute to effective communication. They will also increase their understanding and appreciation of diverse French-speaking communities and will continue to develop the skills necessary to become life-long language learners. Prerequisite: Core French, Grade 9, Academic or Applied
FSF2D7	Pre-IB-Core French	10	Academic	Français	Available only to Pre-IB-Student. This course provides opportunities for students to communicate in French about personally relevant, familiar, and academic topics in real-life situations with increasing independence. Students will exchange information, ideas, and opinions with others in guided and increasingly spontaneous spoken interactions. Students will continue to develop their language knowledge and skills through the selective use of strategies that contribute to effective communication. They will also increase their understanding and appreciation of diverse French-speaking communities, and will continue to develop the skills necessary to become life-long language learners.
GLC2O5	Career Studies(0.5credit)	10	Open	Careers	This course teaches students how to develop and achieve personal goals in education and work and contribute to their communities. Student learning will include assessing their own knowledge, skills, and characteristics and investigating economic trends, workplace organization, work opportunities, and ways to search for work. The course explores postsecondary learning options, prepares students for community-based learning, and helps them build the capabilities needed for managing work and life transitions. Students will design action plans for pursuing their goals.
GLE201	Learning Strategies	10	Open	Guidance and Career Education	This course focuses on learning strategies to help students become better, more independent learners. Students will learn how to develop and apply literacy and numeracy skills, personal management skills, and interpersonal and teamwork skills to improve their learning and achievement in school, the workplace and the community. The course helps students build confidence and motivation to pursue opportunities for success in secondary school and beyond.
HRE201	Religious Education	10	Open	Religion	This course examines the relationship between the person and message of Christ and the dominant attitudes of contemporary culture. Beginning with the Gospel narratives as a foundation, students acquire a deeper and more systematic knowledge of Christ, his message and his Church. Connections between the living Church and contemporary culture and explored in terms of what it means to be a responsible adolescent developing within a community of disciples in the context of a secular, pluralistic world. In the Family Life Education strand, students explore a variety of topics related to the themes of personhood, interpersonal relationships and sexuality.
ICD201	Introduction to Computer Studies	10	Open	Computer Studies	This course helps students develop cutting-edge digital technology and computer programming skills that will support them in contributing to leading the global economic, scientific and societal innovations of tomorrow. Students will learn and apply coding concepts and skills to build on projects and investigate artificial intelligence, cybersecurity, and other emerging digital technologies that connect to a wide range of fields and careers. Using critical thinking skills with a focus on digital citizenship, students will investigate the appropriate use and development of the digital technologies that they encounter every day, as well as the benefits and limitations of these technologies.Prerequisite: None
LWIBD7	Pre-IB Italian	10	Academic	International Languages	This course provides students with the language learning experiences that will enable them to communicate in the language of study. Students will continue to develop and apply their speaking skills in a variety of contexts, and will participate in activities that will improve their reading comprehension and writing skills. They will also continue to explore aspects of the culture of countries where the language under study is spoken by taking part in community-sponsored events and activities involving both print and technological resources. Although students will continue to expand their vocabulary and repertoire of language structures, the language they will use at this level will still be simple. Note this course is for IB students
MAT2L1	Mathematics	10	Locally Developed	Mathematics	This course is designed to provide additional experiences in problem solving. Ideas will be presented in a realistic context providing students an opportunity to explore, organize, interpret, and use mathematical models to solve problems. Repetition of skills and exposure to technological key aspects of this course.

MFM2P1	Foundations of Mathematics	10	Applied	Mathematics	This course enables students to consolidate their understanding of relationships and extend their problem-solving and algebraic skills through investigation, the effective use of technology, and hands-on activities. Students will develop and graph equations in analytic geometry; solve apply linear systems, using real-life examples; and explore and interpret graphs of quadratic relationships. Students will investigate similar triangles, the trigonometry of right-angled triangles, and the measurement of three-dimensional objects. Students will consolidate their mathematical skills as they solve problems and communicate their thinking.
MPM2D1	Principles of Mathematics	10	Academic	Mathematics	This course enables students to broaden their understanding of relations, extend their skills in multi-step problem solving, and continue to develop their abilities in abstract reasoning. Students will pursue investigations of quadratic functions and their applications; solve and apply linear systems to solve multi-step problems in analytic geometry to verify properties of geometric figures; investigate the trigonometry of right and acute triangles; and develop supporting algebraic skills.
MPM2D7	Pre-IB-Principles of Mathematics	10	Academic	Mathematics	Only available to Pre-IB student's. This course enables students to broaden their understanding of relations, extend their skills in multi-step problem solving, and continue to develop their abilities in abstract reasoning. Students will pursue investigations of quadratic functions and their applications; solve and apply linear systems; solve multi-step problems in analytic geometry to verify properties of geometric figures; investigate the trigonometry of right and acute triangles; and develop supporting algebraic skills.
PAL2O3	Court Sports-Large Group Activities	10	Open	Physical Education	This course enables students to further develop the knowledge and skills they need to make healthy choices now and lead healthy, active lives in the future. Through participation in a wide range of physical activities and exposure to a broader range of activity settings, students enhance movement competence, personal fitness, and confidence. Students also acquire an understanding of the factors and skills that contribute to healthy development and learn how their own well-being is affected by, and affects, the world around them. Students build their sense of self and learn to interact positively with others, and develop their ability to think critically and creatively. Students will develop the above knowledge and skills through participation and instruction in territory and invasion court sports (e.g. Basketball). Please be advised students can take only ONE course per grade.
PPL2OF	Healthy Active Living Female	10	Open	Physical Education	This course emphasizes regular participation in a variety of enjoyable physical activities that promote lifelong healthy active living. Student learning will include the application of movement principles to refine skills; participation in a variety of activities that enhance personal competence, fitness, and health; examination of issues related to healthy sexuality, healthy eating, substance use and abuse; and the use of informed decision-making for conflict resolution, and social skills in making personal choices.
PPL2OM	Healthy Active Living Male	10	Open	Physical Education	This course emphasizes regular participation in a variety of enjoyable physical activities that promote lifelong healthy active living. Student learning will include the application of movement principles to refine skills; participation in a variety of activities that enhance personal competence, fitness, and health; examination of issues related to healthy sexuality, healthy eating, substance use and abuse; and the use of informed decision-making for conflict resolution, and social skills in making personal choices.
SNC2D1	Science	10	Academic	Science	This course enables students to enhance their understanding of concepts in biology, chemistry, earth and space science, and physics, and of the interrelationships between science, technology, society, and the environment. Students are also given opportunities to further develop their scientific investigation skills. Students will plan and conduct investigations and develop their understanding of scientific theories related to the connections between cells and systems in animals and plants; chemical reactions, with a particular focus on acid-base reactions; forces that affect climate and climate change; and the interaction of light and matter. Prerequisite: Science, Grade 9, Academic or Applied
SNC2D7	Pre-IB -Science	10	Academic	Science	This course is only available to students in the Pre-IB program. This course enables students to enhance their understanding of concepts in biology, chemistry, earth and space science, and physics, and of the interrelationships between science, technology, society, and the environment. Students are also given opportunities to further develop their scientific investigation skills. Students will plan and conduct investigations and develop their understanding of scientific theories related to the connections between cells and systems in animals and plants; chemical reactions with a particular focus on acid-base reactions; forces that affect climate and climate change; and the interaction of light and matter.
SNC2L1	Science	10	Locally Developed	Science	This course emphasizes reinforcing and strengthening science-related knowledge and skills, including scientific inquiry, critical thinking, and the environmental impact of science and technology, to prepare students for success in everyday life, in the workplace, and in the Grade 11 Science Workplace Preparation course. Students explore a range of topics, including science in media, interactions of common materials, interdependence of organisms in communities, and using electrical energy.
SNC2P1	Science	10	Applied	Science	This course enables students to develop a deeper understanding of concepts in biology, chemistry, earth and space science, and physics, and apply their knowledge of science in real-world situations. Students are given opportunities to develop further practical skills in scientific investigation. Students will plan and conduct investigations into everyday problems and issues related to human cells and body systems; chemical reactions; factors affecting climate change; and the interaction of light and matter. Prerequisite: Science, Grade 9, Academic or Applied
TCJ2O1	Exploring Construction Technology	10	Open	Technological Education	This course introduces students to building materials and processes through opportunities to design and build various construction projects. Students will learn to create and read working drawings; become familiar with common construction materials, components, and processes; perform a variety of fabrication, assembly, and finishing operations. They will use a variety of hand and power tools and apply knowledge of imperial and metric systems of measurement, as appropriate. Students will develop an awareness of environmental and societal issues related to construction technology, and will explore secondary and postsecondary pathways leading to careers in the industry.
TEJ2O1	Computer Engineering Technology	10	Open	Technological Education	This course introduces students to computer systems, networking, and interfacing, as well as electronics and robotics. Students will assemble, repair, and configure computers with various types of operating systems and application software. Students will build small electronic circuits, write computer programs to control simple peripheral devices or robots. Students will also develop an awareness of related environmental and societal issues, and will learn about secondary and postsecondary pathways and career opportunities in computer technology.
TGJ2O1	Communications Technology	10	Open	Technological Education	This course introduces students to communications technology from a media perspective. Students will work in the areas of TV/video and multimedia production, radio and audio production, print and graphic communications, photography, and animation. Student projects may include computer-based activities such as creating videos, editing photos, working with audio, cartooning, developing animations, and designing web pages. Students will also develop an awareness of environmental and societal issues related to communication technology and explore secondary and postsecondary education and training pathways and career opportunities in the various communications technology fields. Prerequisite: None
TPJ2O1	Exploring Health Care	10	Open	Technological Education	This exploratory course introduces students to concepts and skills related to health care, which encompasses personal health promotion, child and adolescent health concerns, and various medical services, treatments, instruments, and technologies. Students will develop an awareness of related environmental and societal issues, and will begin to explore secondary and postsecondary pathways leading to careers in the field. No prerequisite required.
TTJ2O1	Transportation Technology	10	Open	Technological Education	This course requires students to build projects and to learn service procedures related to different modes of transportation. Students will learn about support systems for transporting people and products; measurement systems and methods; the analysis, design, and construction of a system to convert and make practical use of energy; the function of major vehicle system components; the impact of transportation systems on the environment; communication skills; and transportation-related careers.
TXJ2O1	Hairstyling and Aesthetics	10	Open	Technological Education	This course presents hairstyling, make-up, and nail care techniques from a salon/spa perspective. Through a variety of school and community-based activities, students learn fundamental skills in hairstyling, giving manicures and facials and providing hair/scalp analyses, and treatments. Students also consider related environmental and societal issues and explore secondary and postsecondary pathways leading to careers in the field of hairstyling and aesthetics. Prerequisite: None
ADA3M1	Drama	11	University/College	Art	Course Outline: This course requires students to create and perform in dramatic presentations. Students will analyse, interpret, and perform dramatic works from various cultures and time periods. Students will research various acting styles and conventions that could be used in the presentations, and analyse the functions of playwrights, directors, actors, designers, technicians, and audiences. Prerequisite: Drama, Grade 10, Open
AMU3M1	Music	11	University/College	Art	Course Outline: This course provides students with opportunities to develop their musical literacy through the creation, appreciation, analysis, and performance of music, including traditional, commercial, and art music. Students will apply the creative process when performing appropriate technical exercises and repertoire and will employ the critical analysis processes when reflecting on, responding to, and analysing live and recorded performances. Students will consider the function of music in society and the impact of music on individuals and communities. They will explore how to apply skills developed in music to their life and careers. Prerequisite: Music, Grade 9 or 10, Open
AVI3M1	Visual Arts-Comprehensive	11	University/College	Art	Course Outline: 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 emergent technologies. Students will use the critical analysis process when evaluating their own and the work of others. The course may be delivered as a comprehensive program or through a program focused on a particular artform (e.g. photography, video, computer graphics, information design). Prerequisite: Visual Arts, Grade 9 or 10, Open
BAF3M1	Financial Accounting Fundamentals	11	University/College	Business Studies	This course introduces students to the fundamental principles and procedures of accounting, with emphasis on accounting procedures used in service and merchandising businesses. Students will develop an understanding of the connections between financial analysis, control, and decision-making in the management of a business, as well as the effects of technology and globalization on accounting procedures and the role of the accountant.
BAF3M7	IB-Business Management HL	11	University/College	Business Studies	Available to IB students only. The business management course is designed to develop students' knowledge and understanding of business management theories, as well as their ability to apply a range of tools and techniques. Students learn to analyse, discuss and evaluate business activities at local, national and international levels. The course covers a range of organizations from all sectors, as well as the sociocultural and economic contexts in which those organizations operate.
BMI3C1	Marketing: Goods, Services, Events	11	College	Business Studies	This course introduces the fundamental concepts of product marketing, which includes the marketing of goods, services, and events. Students will examine how trends, issues, global economic changes, and information technology influence consumer buying habits. Students will engage in marketing research, develop marketing strategies, and produce a marketing plan for a product of their choice.
CGG3O1	Travel and Tourism	11	Open	Canadian and World Studies	This course focuses on travel and tourism as the vehicle for studying selected world regions. Using a variety of geotechnologies, inquiry and communication methods, students will develop their understanding of unique characteristics of selected world regions; the environmental, cultural, economic, and political factors that influence travel and tourism; and the impact of the travel industry on communities and environments around the world.
CHA3U1	American History	11	University	Canadian and World Studies	This course traces the social, economic, and political development of the United States from colonial times to the present. Students will explore the historical context of key developments that shaped the United States, its identity and culture, and its role in the global community. They will apply their ability to apply the concepts of historical thinking and the historical inquiry process, including the interpretation and analysis of evidence when investigating forces in American history. Prerequisite: Canadian History since World War I, Grade 10, Academic or Applied
CIE3M1	The Individual and the Economy	11	University/College	Business Studies	This course explores challenges facing the Canadian economy as well as the implications of various responses to these challenges. Students will explore the economic role of business, labour, and government, as well as their own role as individual consumers and contributors, and how these influence stability and variability in the Canadian economy. Students will apply the concepts of economic thinking and the economic inquiry process, including economic models, to investigate the impact of economic decisions. Prerequisite: Canadian History since World War I, Grade 10, Academic or Applied Please Note: This is a Canadian World Studies Course
CIE3M7	IB-Economics-SL	11	University/College	Canadian and World Studies	Available to IB student only. This course explores economic concepts relating to the Canadian economic system that will help students make informed decisions about how to use resources to satisfy wants and needs. Students will use economic concepts and models, as well as methods of economic inquiry, to analyze the choices they will make during their lives as consumers, contributors, and citizens in a mixed economy.
CLU3M1	Understanding Canadian Law	11	University/College	Canadian and World Studies	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 rights and freedoms in Canada, our legal system, and family, contract, employment, tort, and criminal law. Students will use studies and apply the concepts of legal thinking and the legal inquiry process to develop legal reasoning skills and to formulate and communicate informed interpretations of legal issues, and they will develop the ability to advocate for new laws. Prerequisite: Canadian History since World War I, Grade 10, Academic or Applied
NBE3C1	English	11	College	English	This course explores themes, forms, and styles of literary, informational, graphic, oral, cultural, and media text forms emerging from First Nations, Métis, and Inuit cultures in Canada, and also looks at the perspectives and influences of texts that relate to those cultures. In order to understand contemporary text forms and their themes of identity, relationship, and self-determination, sovereignty, or self-governance, students will study and use of text forms by indigenous authors/creators from other periods 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 creative thinking skills necessary for success in academic and daily life. The course is intended to prepare students for the compulsory Grade 12 English college preparation course.

NBE3E1	English	11	Workplace	English	This course explores themes, forms, and stylistic elements of literary, informational, graphic, oral, cultural, and media texts emerging from First Nations, Métis, and Inuit cultures in Canada, as well as some texts that relate to those cultures. In order to better understand contemporary First Nations, Métis, and Inuit cultures, students will explore connections between traditional and contemporary text forms and cultural and community aspects of identity, relationships, and self-determination, sovereignty or self-governance. Students will also create oral, written, and media texts focusing on the development of literacy, communication, and critical thinking skills necessary for success in the workplace and daily life. The course is intended to prepare students for the compulsory Grade 12 English workplace preparation course.
NBE3U1	English	11	University	English	This course explores 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 self-governance, 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 of these themes, 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.
NBE3U7	IB - English - HL	11	University	English	Only available to IB students. This course explores 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 self-governance, 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 preparation course.
FEF3UF	Extended French	11	University	Français	This course provides opportunities for students to communicate about concrete and abstract topics in various situations. Students will consolidate language-learning strategies and apply them in a variety of real-life contexts in order to enhance and refine their communication skills, and will continue to develop creative and critical thinking skills. Students will develop their knowledge of the language through the study of contemporary and well-known French European authors. They will also continue to deepen their understanding and appreciation of diverse French-speaking communities, and develop the skills necessary to become life-long language learners. Prerequisite: Extended French, Grade 10, Academic
FEF3U7	IB - Extended French -SL	11	University	Français	This course is only available to IB student's. This course provides opportunities for students to communicate about concrete and abstract topics in various situations. Students will consolidate language-learning strategies and apply them in a variety of real-life contexts in order to enhance and refine their communication skills, and will continue to develop creative and critical thinking skills. Students will develop their knowledge of the language through the study of contemporary and well-known French European authors. They will also continue to deepen their understanding and appreciation of diverse French-speaking communities, and develop the skills necessary to become life-long language learners
FSF3U1	Core French	11	University	Français	This course offers students extended opportunities to speak and interact in real-life situations in French with greater independence. Students will develop their creative and critical thinking skills through responding to and exploring a variety of oral and written texts. They will continue to broaden their understanding and appreciation of diverse French-speaking communities and to develop the skills necessary for life-long language learning. Prerequisite: Core French, Grade 10, Academic
FSF3U7	IB- French - SL	11	University	Français	Available only to IB student. 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.
GLE3O1	Advanced Learning Strategies	11	Open	Guidance and Career Education	This course improves students' learning and personal management skills, preparing them to make successful transitions to work, training, and 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.
HRF3O1	World Religions	11	Open	Religion	This course enables students to study world religions and belief traditions in local, Canadian, and global contexts. Students will explore aspects of the human quest for meaning and will examine world religions and belief traditions as exemplified in various sacred teachings and principles, and passages. They will also study the interaction throughout history between society and various belief traditions, and will have opportunities to develop research and inquiry skills related to the study of world religions and belief traditions. Prerequisite: None
HRT3M1	World Religions	11	University/College	Religion	This course provides students with opportunities to explore various world religions and belief traditions. Students will develop knowledge of terms and concepts relevant to this area of study, will examine the ways in which religions and belief traditions meet various human needs, and will learn about the relationship between belief and action. They will examine sacred writings and teachings, consider how concepts of time and place influence different religions and belief traditions, and develop research and inquiry skills related to the study of human expressions of faith. Prerequisite: None.
HRT3MF	World Religions-Extended French	11	University/College	Religion	Available only to Extended French students. This course enables students to discover what others believe and how they live, and to appreciate their own unique heritage. Students will learn about the teachings and traditions of a variety of religions, the connections between religion and the development of civilizations, the place and function of religion in human experience, and the influence of a broad range of religions on contemporary society. This course also introduces students to skills used in researching and investigating world religions. The use of correct grammar and appropriate language conventions in both spoken and written French will be emphasized throughout the course.
HSP3C1	Introduction to Social Sciences	11	College	Social Studies and Humanities	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. They 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. Prerequisite: None.
HSP3U1	Introduction to Social Sciences	11	University	Social Studies and Humanities	This course provides students with opportunities to think critically about theories, questions, and issues related to anthropology, psychology, 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, 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).
ICS3U1	Introduction to Computer Science	11	University	Computer Studies	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 explore environmental and ergonomic issues, emerging research in computer science, and global career trends in computer-related fields.
LWICU7	IB-Italian SL	11	University	International Languages	Available to IB students only. Italian ab initio is a language acquisition course designed for students with no previous experience in or very little exposure to the target language. Language ab initio students develop their receptive, productive and interactive skills while learning to communicate in the target language in familiar and unfamiliar contexts.
MBF3C1	Foundations for College Math	11	College	Mathematics	This course enables students to broaden their understanding of exponential growth and of important areas of personal finance. Students will investigate properties of exponential functions and develop skills in manipulating exponential expressions; solve problems and investigate financial applications involving compound interest and annuities; and apply mathematics in making informed decisions about transportation, accommodation, and career choices.
MCF3M1	Functions & Applications	11	University/College	Mathematics	This course introduces some financial applications of mathematics and extends students' experiences with functions. Students will solve problems in personal finance involving applications of sequences and series; investigate properties and applications of trigonometric functions; develop facility in operating with polynomials, rational expressions, and exponential expressions; develop an understanding of inverses and transformations of functions; and develop facility in using function notation and in communicating mathematical reasoning.
MCR3U1	Functions	11	University	Mathematics	This course introduces some financial applications of mathematics, extends students' experiences with functions, and introduces second-degree relations. Students will solve problems in personal finance involving applications of sequences and series; investigate properties and applications of trigonometric functions; develop facility in operating with polynomials, rational expressions, and exponential expressions; develop an understanding of inverses and transformations of functions; and develop facility in using function notation and in communicating mathematical reasoning. Students will also investigate loci and the properties and applications of conics.
MCR3U7	Pre-IB-Functions	11	University	Mathematics	Available only to Pre-IB-Student. This course introduces some financial applications of mathematics, extends students' experiences with functions and introduces second-degree relations. Students will solve problems in personal finance involving applications of sequences and series; investigate properties and applications of trigonometric functions; develop facility in operating with polynomials, rational expressions, and exponential expressions; develop an understanding of inverses and transformations of functions; and develop facility in using function notation and in communicating mathematical reasoning. Students will also investigate loci and the properties and applications of conics.
MEL3E1	Mathematics for Everyday Life	11	Workplace	Mathematics	This course enables students to broaden their understanding of mathematics as it is applied in important areas of day-to-day living. Students will solve problems associated with earning money, paying taxes, and making purchases; apply calculations of simple and compound interest in saving, investing, and borrowing; and calculate the costs of transportation and travel in a variety of situations.
NGC3O2	Cooperative Education	11	Open	Guidance and Career Education	
PAD3O1	Outdoor Activities	11	Open	Physical Education	COURSE OBJECTIVES 1. To increase the students awareness of being good guardians of our environment (Leave No Trace (LNT Principles)... students should be able to tell that we have been there). 2. To teach: i) respect for the outdoors ii) skills for safe travel and wilderness survival in the outdoors iii) camping, back packing and canoe tripping skills iv) responsible use and care of equipment 3. To promote: i) leadership development and decision making ii) self reliance and confidence awareness of rights and needs of others iv) understanding of group dynamics v) self responsibility vi) physical fitness through training, and outdoor education
PAF3O3	Personal and Fitness Activities (weight training)	11	Open	Physical Education	This course enables students to further develop the knowledge and skills they need to make healthy choices now and lead healthy, active lives in the future. Through participation in a wide range of physical activities and exposure to a broader range of activity settings, students enhance movement competence, personal fitness, and confidence. Students also acquire an understanding of the factors and skills that contribute to healthy development and learn how their own well-being is affected by, and affects, the world around them. Students build their sense of self and learn to interact positively with others, and develop their ability to think critically and creatively. Students will focus their activities in the weight room and participate in a dynamic weight-training environment to improve their personal fitness.
PAL3O3	Court Sports-Large Group Activities	11	Open	Physical Education	This course enables students to further develop the knowledge and skills they need to make healthy choices now and lead healthy, active lives in the future. Through participation in a wide range of physical activities and exposure to a broader range of activity settings, students enhance movement competence, personal fitness, and confidence. Students also acquire an understanding of the factors and skills that contribute to healthy development and learn how their own well-being is affected by, and affects, the world around them. Students build their sense of self and learn to interact positively with others, and develop their ability to think critically and creatively. Students will develop the above knowledge and skills through participation and instruction in territory and invasion court sports (e.g. Basketball). Please be advised students can take only ONE course per grade
PPL3O1	Traditional Co-ed Gym	11	Open	Health and Physical Education	This course enables students to further develop the knowledge and skills they need to make healthy choices now and lead healthy, active lives in the future. Through participation in a wide range of physical activities and exposure to a broader range of activity settings, students enhance movement competence, personal fitness, and confidence. Students also acquire an understanding of the factors and skills that contribute to healthy development and learn how their own well-being is affected by, and affects, the world around them. Students build their sense of self and learn to interact positively with others, and develop their ability to think critically and creatively.
SBI3C1	Biology	11	College	Science	This course focuses on the processes that occur in biological systems. Students will learn concepts and theories as they conduct investigation 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 life sciences and related fields. Prerequisite: Science, Grade 10, Academic or Applied
SBI3U1	Biology	11	University	Science	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

SBI3U7	IB - Biology - SL	11	University	Biology	Available to IB student only. This is the standard level IB course code. 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, Pre - IB
SBI3UH	IB - Biology - HL	11	University	Biology	Available to IB student only. This is the Higher level IB course code. 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, Pre - IB
SCH3U1	Chemistry	11	University	Science	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
SCH3U7	IB - Chemistry - SL	11	University	Chemistry	Available to IB student only. 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, Pre - IB
SCH3UH	IB - Chemistry - HL	11	University	Chemistry	Available to IB student only. 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, Pre - IB
SPH3U1	Physics	11	University	Science	This course develops students' understanding of the basic concepts of physics. Students will study the laws of dynamics and explore different kinds of forces, the quantification and forms of energy (mechanical, sound, light, thermal, and electrical), and the way energy is transformed and transmitted. They will develop scientific-inquiry skills as they verify accepted laws and solve both assigned problems and those emerging from investigations. Students will also analyse the interrelationships between physics and technology, and consider the impact of technological applications of physics on society and the environment.
SPH3U7	IB - Physics - SL	11	University	Physics	This course is only available to students enrolled in the IB program. This course develops students' understanding of the basic concepts of physics. Students will study the laws of dynamics and explore different kinds of forces, the quantification and forms of energy (mechanical, sound, light, thermal, and electrical), and the way energy is transformed and transmitted. They will develop scientific-inquiry skills as they verify accepted laws and solve both assigned problems and those emerging from their investigations. Students will also analyse the interrelationships between physics and technology, and consider the impact of technological applications of physics on society and the environment.
TCC3E1	Construction Technology: Carpentry	11	Workplace	Technological Education	This course focuses the students learning to develop specialized knowledge and skills used in residential & commercial carpentry. The students will solve problems; make the decisions necessary to plan and maintain construction schedules, estimating construction materials, and explore the impact that a construction project may have on the environment and society. They will learn construction terminology, procedures and techniques in the classroom, in a shop environment and possibly on-site experiences.
TCJ3C1	Exploring Construction Technology	11	College	Technological Education	This course requires students to design, build, and evaluate projects using design instruments and machine and hand tools. Students will solve technological problems through a variety of media; identify and describe building materials and other resources needed to construct, maintain, and service buildings; identify support systems and components; apply safety rules related to materials, processes, and equipment; identify common architectural styles; and identify careers related to construction technology.
TDJ3M1	Technological Design	11	University/College	Technological Education	This course provides students with opportunities to apply the principles of technological design to challenges in communications, manufacturing, electronics, transportation, architecture, industrial and consumer products, health and safety equipment, and environmental services. Students will identify user needs, estimate labour and material costs, analyse material characteristics, and illustrate design solutions, using traditional and computer-based methods. They will also acquire the basic design skills required for postsecondary studies in engineering, manufacturing, architecture, and construction.
TEJ3M1	Computer Engineering Tech	11	University/College	Technological Education	This course examines computer systems and control of external devices. Students will assemble computers and small networks by installing and configuring appropriate hardware and software. Students will develop knowledge and skills in electronics, robotics, programming, and networking and will build systems that use computer programs and interfaces to control and/or respond to external devices. Students will develop an awareness of environmental and societal issues related to the use of computers, and will learn about college and university programs leading to careers in computer engineering. Prerequisite: None
TFJ3C1	Hospitality	11	College	Technological Education	This course enables students to develop or expand knowledge and skills related to hospitality, as reflected in the various sectors of the industry. Students will learn about preparing and presenting food, evaluating facilities, controlling inventory, and marketing and managing events and activities, and will investigate customer service principles and the cultural and economic forces that drive tourism trends. Students will develop an awareness of health and safety standards, environmental and societal issues, and career opportunities in the industry. Prerequisite: None
TGG3M1	Communications Tech Yearbook	11	University/College	Technological Education	See Department Head of Technology for more information
TPJ3C1	Health Care	11	College	Technological Education	This course focuses on the development of knowledge and skills that will benefit students planning a career in the health care field. Students learn about human anatomy and physiology, homeostasis, vital signs, disease prevention and treatment, how lifestyle choices affect health and well-being, and conventional and complementary methods of disease prevention and treatment. Students will develop an awareness of health and safety issues, environmental and societal issues related to health care, and career opportunities in the field. Prerequisite: None
TPJ3M1	Health Care	11	University/College	Technological Education	This course focuses on the development of knowledge and skills that will benefit students planning a career in the health care field. Students learn about human anatomy and physiology, homeostasis, vital signs, disease prevention and treatment, how lifestyle choices affect health and well-being, and conventional and complementary methods of disease prevention and treatment. Students will develop an awareness of health and safety issues, environmental and societal issues related to health care, and career opportunities in the field. Prerequisite: None
TTI3C1	Transportation Technology	11	College	Technological Education	This course enables students to develop technical knowledge and skills as they study, test, service, and repair engine, electrical, suspension, and steering systems on vehicles, aircraft, and/or watercraft. Students will develop communication and teamwork skills through practical tasks using a variety of tools and equipment. Students will develop an awareness of environmental and societal issues related to transportation and learn about apprenticeship and college programs leading to careers in the transportation industry. Prerequisite: None
TXH3E1	Hairstyling	11	Workplace	Technological Education	This course enables students to develop knowledge and skills in cosmetology and offers a variety of applications that will equip students to provide services for a diverse clientele. Students identify trends in the hairstyling and aesthetics industry, learn about related health and safety laws, expand their communication and interpersonal skills through interactions with peers and clients. Students consider environmental and societal issues related to the industry and acquire a more detailed knowledge of apprenticeships and direct entry work positions. Prerequisite: None
ADA4M1	Drama	12	University/College	Art	Course Outline: This course requires students to experiment individually and collaboratively with forms and conventions of both drama and theatre from various cultures and time periods. Students will interpret dramatic literature and other text and media sources while learning about various theories of directing and acting. Students will examine the significance of dramatic arts in various cultures, and will analyse how the knowledge and skills developed in drama are related to their personal skills, social awareness, and goals beyond secondary school. Prerequisite: Drama, Grade 11, University/College Preparation
AVI4M1	Visual Arts-Comprehensive	12	University/College	Art	Course Outline: This course focuses on enabling students to refine their use of the creative process when creating and presenting two- and three-dimensional art works using a variety of traditional and emerging media and technologies. Students will use the critical analysis process to deconstruct art works and explore connections between art and society. The studio program enables students to explore a range of materials, processes, and techniques that can be applied in their own art production. Students will also make connections between various works of art and personal, contemporary, historical, and cultural contexts. Prerequisite: Visual Arts, Grade 11, University/College Preparation
BAT4M1	Financial Accounting Principles	12	University/College	Business Studies	This course emphasizes study of accounting principles related to financial statements. Students will learn about ways in which information in financial statements is used in making business decisions, and about the effects on financial statements of using different methods of inventory valuation and adjusting and reversing entries. Students will also study various means of financing a business and ways in which the strength of a corporation can be determined through the reading of its annual report.
BBB4M1	International Business	12	University/College	Business Studies	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.
BOH4M1	Business Leadership	12	University/College	Business Studies	This course focuses on ways in which organizations deal with issues affecting their competitiveness in a changing technological and global business environment. Students will analyse various leadership techniques and study various issues such as ethics in business, social responsibility, management of group dynamics, uses of information technology, workplace stress and conflict, motivation of employees, and globalization. Students will also investigate the management of a diverse workforce within an organization and the importance of strategic planning.
BOH4M7	IB-Business Management HL	12	University/College	Business Studies	Available to IB students only. The business management course is designed to develop students' knowledge and understanding of business management theories, as well as their ability to apply a range of tools and techniques. Students learn to analyse, discuss and evaluate business activities at local, national and international levels. The course covers a range of organizations from all sectors, as well as the sociocultural and economic contexts in which those organizations operate.
CHY4U7	IB- History -HL	12	University	Canadian and World Studies	Only available to IB students.
CIA4U1	Analysing Economic Issues	12	University	Business Studies	This course examines current national and global economic trends and policies from diverse perspectives. Students will explore the impact of choices that individuals and institutions, including governments, make in responding to local, national, and global economic issues such as globalization and global economic inequalities, trade agreements, national debt, taxation, social spending, and consumer debt. Students will explore the concepts of economic thinking and the economic inquiry process, including economic models, to investigate, and develop informed opinions about, current economic issues and to help them make reasoned economic decisions. Prerequisite: Any university or university/college preparation course in Canadian and world studies, English, or social sciences and humanities Please Note: This is a Canadian World Studies Course
CIA4U7	IB- Economics-SL	12	University	Canadian and World Studies	This course is only available to IB students. This course examines current national and global economic trends and policies from diverse perspectives. Students will explore the impact of choices that individuals and institutions, including governments, make in responding to local, national, and global economic issues such as globalization and global economic inequalities, trade agreements, national debt, taxation, social spending, and consumer debt. Students will apply the concepts of economic thinking and the economic inquiry process, including economic models, to investigate, and develop informed opinions about, current economic issues and to help them make reasoned economic decisions. Prerequisite: Any university or university/college preparation course in Canadian and world studies, English, or social sciences and humanities
CLN4C1	Legal Studies	12	College	Canadian and World Studies	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 impact. They will investigate requirements for various law-related careers and apply legal responsibilities in the workplace. Students will apply the concepts of legal thinking and the legal inquiry process to investigate the role of law in a changing society and will develop conflict-resolution skills needed for negotiation. Prerequisite: Civics and Citizenship, Grade 10, University/College Preparation
CLN4U1	Canadian and International Law	12	University	Canadian and World Studies	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 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
CPW4U7	IB- History - HL	12	University	Canadian and World Studies	Available only to IB students. This course explores various perspectives on issues in Canadian and world politics. Students will explore political decision-making and ways in which individuals, stakeholder groups, and various institutions, including different levels of government, multinational corporations, and non-governmental organizations, respond to and work to influence domestic and international developments. Students will apply the concepts of political thinking and the political inquiry process to investigate current political policies, issues, and events, and to develop and communicate informed opinions about them.

ENG4C1	English	12	College	English	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. Students considering moving from one destination to another (e.g., college to university; workplace to college) must successfully complete a transfer course. Students who have successfully completed ENG3U may also select this course.
ENG4E1	English	12	Workplace	English	This course emphasizes the consolidation of literacy, communication, and critical and creative thinking skills necessary for success in the workplace and in daily life. Students will analyse informational, graphic, and literary texts and create oral, written, and media texts in a variety of forms for workplace-related and practical purposes. An important focus will be on using language accurately and organizing ideas and information coherently. The course is intended to prepare students for the workplace and active citizenship. Students considering moving from one destination to another (e.g., college to university; workplace to college) must successfully complete a transfer course. Students who have successfully completed ENG3C or ENG3U may also select this course.
ENG4U1	English	12	University	English	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. Students considering moving from one destination to another (e.g., college to university; workplace to college) must successfully complete a transfer course.
ENG4U7	IB - English - HL	12	University	English	This course is only available to IB students. Literature focus.
ETS4U7	IB- English- HL	12	University	English	This course is only available to IB students. Literature course focus.
FEF4UF	Extended French	12	University	Français	This course further emphasizes the consolidation of communication skills required to interact in French for various purposes about concrete and abstract topics. Students will independently apply language-learning strategies in a variety of real-life and personally relevant contexts, and will broaden their creative and critical thinking skills through responding to and analysing oral and written texts. Students will increase their knowledge of the language through the study of Canadian and international French literature. They will also continue to enrich their understanding and appreciation of diverse French-speaking communities and to develop the skills necessary to become life-long language learners. Prerequisite: Extended French, Grade 11, University Preparation
FEF4U7	IB- Extended French -SL	12	University	Français	This course is only available to IB student's. This course further emphasizes the consolidation of communication skills required to interact in French for various purposes about concrete and abstract topics. Students will independently apply language-learning strategies in a variety of real-life and personally relevant contexts, and will broaden their creative and critical thinking skills through responding to and analysing oral and written texts. Students will increase their knowledge of the language through the study of Canadian and international French literature. They will also continue to enrich their understanding and appreciation of diverse French-speaking communities and to develop the skills necessary to become life-long language learners.
FSF4U1	Core French	12	University	Français	This course provides extensive opportunities for students to speak and interact in French independently. Students will apply language-learning strategies in a wide variety of real-life situations, and will continue to develop their creative and critical thinking skills through responding to and interacting with a variety of oral and written texts. Students will also continue to enrich their understanding and appreciation of diverse French-speaking communities and to develop the skills necessary for life-long language learning. Prerequisite: Core French, Grade 11, University Preparation
FSF4U7	IB- French - SL	12	University	Français	Available only to IB students. This course provides extensive opportunities for students to speak and interact in French independently. Students will apply language-learning strategies in a wide variety of real-life situations, and will continue to develop their creative and critical thinking skills through responding to and interacting with a variety of oral and written texts. Students will also continue to enrich their understanding and appreciation of diverse French-speaking communities and to develop the skills necessary for life-long language learning.
GLE4O1	Advanced Learning Strategies	12	Open	Guidance and Career Education	This course improves students' learning and personal management skills, preparing them to make successful transitions to work, training, and 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.
HFA4C1	Nutrition and Health	12	College	Social Studies and Humanities	This course focuses on the relationship between nutrition and health at different stages of life and on global issues related to food production and distribution. Students will investigate the role of nutrition in health and disease and assess strategies for promoting food security and environmental responsibility. Students will learn about healthy eating, expand their repertoire of food-preparation techniques, and refine their ability to use science research and inquiry methods to investigate topics related to nutrition and health. Prerequisite: Any university, college, or university/college preparation course in social sciences and humanities, English, or Canadian and world studies.
HFA4U1	Nutrition and Health	12	University	Social Studies and Humanities	This course examines the relationships between food, energy balance, and nutritional status; the nutritional needs of individuals at different stages of life; and the role of nutrition in health and disease. Students will evaluate nutrition-related trends and will determine how food choices can promote food security and environmental responsibility. Students will learn about healthy eating, expand their repertoire of food-preparation techniques, and develop their social science research skills by investigating issues related to nutrition and health. Prerequisite: Any university/college preparation course in social sciences and humanities, English, or Canadian and world studies.
HRE4M1	Religious Education	12	University/College	Religion	This course is directed toward the clear identification of Catholic moral principles and the concrete application of these principles in the lives of students. The course proceeds from foundational beliefs rooted in Sacred Scripture concerning justice and peace to an exploration of the principles that shape Christian life. In the Family Life Education strand, students explore a variety of topics related to the themes of personhood, interpersonal relationships and sexuality. Special attention is given to the interaction between the Church and culture. The modern world is characterized by a multiplicity of values, philosophies and ideologies. In a democratic, pluralistic society, these concepts may creatively reinforce one another or they may compete with and contradict one another. The Christian moral life is a call to follow Jesus Christ, to believe in the redemptive love of God for humankind and to proclaim and incarnate the reign of God as inaugurated by Jesus Christ.
HRE4O1	Religious Education	12	Open	Religion	This course assists students in their development of the skills and knowledge necessary to live lives of full maturity. Within the Catholic faith tradition, it is believed that this growth towards human maturity is best served when students are able to define themselves authentically in relation to their God, to other people and to their world. In the Family Life Education strand, students explore a variety of topics related to the themes of personhood, interpersonal relationships and sexuality. Students will demonstrate knowledge of the prophetic tradition in Scripture and become familiar with the social teachings of the Catholic Church, explore contemporary notions of spirituality and prayer, and recognize the importance, power and potential of the human person in relation to morality and personal choices concerning future life paths.
HSE4M1	Equity, Diversity, and Social Justice	12	University/College	Religion	The aim of this course is to assist students in understanding themselves as moral persons living the way of Christ through an examination of the revelation of sacred Scripture, and the experience and teaching of the Catholic Church. 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, through a Catholic perspective. Through the process of inquiry, students will learn about historical and contemporary equity and social justice issues in Canada and globally. They will also explore power relations and the impact of a variety of factors on equity and social justice through the inquiry process. Students will engage in critical reflection on these issues in light of Scripture, Church teaching, and the experiences of important thinkers. Students will develop and apply research skills and will design and implement a social action initiative for change.
HZT4U1	Philosophy: Questions and Theories	12	University	Social Studies and Humanities	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 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.
HZT4U7	IB -Theory of Knowledge	12	University	Religion	Available to IB student only. This course addresses three (or more) of the main areas of philosophy: metaphysics, logic, epistemology, ethics, and political philosophy, and aesthetics. Students will learn critical thinking skills, the main ideas expressed by philosophers from a variety of world's traditions, how to develop and explain their own philosophical ideas, and how to apply those ideas to contemporary social issues and personal experiences. The course will also help students refine skills used in researching and investigating topics in philosophy.
ICS4U1	Computer Science	12	University	Computer Studies	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, 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
IDC4U2	Interdisciplinary Studies-Sport and Entertainment Marketing	12	University	Interdisciplinary Studies	This course emphasizes the development of practical skills and knowledge to solve problems, make decisions, create personal meaning, and present findings related to the growing Sports and Entertainment Marketing industry. Students will develop skills in the areas of ethics, consumer research, advertising, public relations/publicity, event marketing, endorsement, sponsorship, product distribution, and career opportunities in sports and entertainment marketing. <b>Please be advised students are only able to take ONE IDC4U course.</b> Any university or university/college preparation course
IDC4U1	Interdisciplinary Studies-Personal Finance	12	University	Interdisciplinary Studies	This course explores personal financial management, investing, and techniques for building a secure financial future. Students will learn the concept of personal net worth and how it relates to investment. They will learn to navigate the world of personal finance including banking, TFSAs, lending, home ownership, investment portfolios, retirement (RRSP) and estate planning. Students also examine risk, value investing and social impact of personal and corporate investment decisions. <b>Please be advised students are only able to take ONE IDC4U course.</b> See your guidance counsellor for details. Prerequisite: Any university or university/college preparation course
IDC4UH	IB-Business Management HL	12	University	Interdisciplinary Studies	Available to IB students only. The business management course is designed to develop students' knowledge and understanding of business management theories, as well as their ability to apply a range of tools and techniques. Students learn to analyse, discuss and evaluate business activities at local, national and international levels. The course covers a range of organizations from all sectors, as well as the sociocultural and economic contexts in which those organizations operate.
LWIDU7	IB – Italian SL	12	University	Classical and International Languages	For IB students Only. This course prepares students for university studies in the international language. Students will enhance their ability to communicate in the language with clarity and precision and will develop the language skills needed to engage in sustained conversations and discussions, understand and evaluate information, read diverse materials for both study and pleasure, and write clearly and effectively. Students will also have the opportunities to add to their knowledge of the culture of countries where the language is spoken through the use of community resources and computer technology.
MAP4C1	Foundations for College Math	12	College	Mathematics	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; 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.
MCV4U1	Calculus and Vectors	12	University	Mathematics	Course Outline: 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 three-dimensional space; broaden their understanding of rates of change to include the derivatives of polynomial, rational, exponential, and sinusoidal 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 plan to study mathematics in university and may choose to pursue careers in fields such as physics and engineering. Note: The Advanced Functions can be taken concurrently with or can precede Calculus and Vectors.

MCV4U7	IB- Mathematics - SL	12	University	Mathematics	<p>Mathematics SL This course caters for students who already possess knowledge of basic mathematical concepts, and who are equipped with the skills needed to apply simple mathematical techniques correctly. The majority of these students will expect to need a sound mathematical background as they prepare for future studies in subjects such as chemistry, math, physics, engineering, economics, psychology and business administration.</p> <p>Mathematics SL—course details The course focuses on introducing important mathematical concepts through the development of mathematical techniques. The intention is to introduce students to these concepts in a comprehensible and coherent way, including mathematical rigour that challenges students as stipulated by the International Baccalaureate curriculum. Students should, wherever possible, apply the mathematical knowledge they have acquired to realistic problems set in an appropriate context. The internally assessed component, the exploration, offers students the opportunity for developing independence in their mathematical learning. Students are encouraged to take a considered approach to various mathematical activities and to explore different mathematical ideas. The exploration also allows students to work without the time constraints of a written examination and to develop the skills they need for communicating mathematical</p>
MDM4U1	Mathematics of Data Mgmt	12	University	Mathematics	This course broadens students' understanding of mathematics as it relates to managing data. Students will apply methods for organizing large amounts of information; solve problems involving probability and statistics; and carry out a culminating project 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 pursue university programs in business, the social sciences, and the humanities will find this course of particular interest.
MEL4E1	Mathematics for Everyday Life	12	Workplace	Mathematics	This course enables students to broaden their understanding of mathematics as it is applied in the workplace and daily life. Students will use statistics in investigating questions; apply the concept of probability to solve problems in familiar situations; investigate accommodation costs; create household budgets; use proportional reasoning; estimate and measure; and apply geometric concepts to create designs. Students will consolidate their mathematical skills as they solve problems and communicate their thinking.
MHF4U1	Advanced Functions	12	University	Mathematics	Course Outline: This course extends students' experience with functions. Students will investigate the properties of polynomial, rational, logarithmic, and trigonometric 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 who plan to study mathematics in university and for those wishing to consolidate their understanding of mathematics before proceeding to any one of a variety of university programs.
MHF4U7	IB - Mathematics - SL	12	University	Mathematics	Available to IB student only. Course Outline: This course extends students' experience with functions. Students will investigate the properties of polynomial, rational, logarithmic, and trigonometric 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 who plan to study mathematics in university and for those wishing to consolidate their understanding of mathematics before proceeding to any one of a variety of university programs.
NGC4O2	Cooperative Education	12	Open	Guidance and Career Education	co-op holding code
OLC4O1	Ontario Literacy Course	12	Open	English	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, informational paragraphs, opinion pieces, and news reports. Students will also maintain and manage a portfolio containing a record of their reading experience and samples of their writing. The Principal has the discretion to allow a student to enrol in the OSSLT before he or she has had a second opportunity to take the OSSLT, if the principal determines that it is in the best educational interests of the student.
PAD4O1	Outdoor Activities	12	Open	Physical Education	COURSE OBJECTIVES 1. To increase the students awareness of being good guardians of our environment (Leave No Trace (LNT Principles)... r should be able to tell that we have been there). 2. To teach: i) respect for the outdoors ii) skills for safe travel and wilderness survival in the outdoors iii) camping, back packing and canoe tripping skills iv) responsible use and care of equipment 3. To promote: i) leadership development and decision making ii) self reliance and confidence awareness of rights and needs of others iv) understanding of group dynamics v) self responsibility vi) physical fitness through training, and outdoor education
PAF4O3	Personal and Fitness Activities (weight training)	12	Open	Physical Education	This course focuses on the development of a personalized approach to healthy active living through participation in a variety of sports and recreational activities that have the potential to engage students' interest throughout their lives. Students will develop and implement personal physical fitness plans. In addition, they will be given opportunities to refine their decision-making, conflict-resolution, and interpersonal skills, a view to enhancing their mental health and their relationships with others.
PLF4M1	Recreation and Fitness Leadership	12	University	Physical Education	This course enables students to explore the benefits of lifelong participation in active recreation and healthy leisure and to develop the leadership and coordinating skills needed to plan, organize, and safely implement recreational events and other activities related to healthy, active living. Students will also learn how to promote the benefits of healthy, active living to others through mentoring and assisting them in making informed decisions that enhance their well-being. The course will prepare students for university programs in physical education and health and kinesiology and for college and university programs in recreation and leisure management, fitness and health promotion, and fitness leadership. Prerequisite: Any health and physical education course
PPL4O1	Traditional Co-ed Gym	12	Open	Health and Physical Education	This course enables students to further develop the knowledge and skills they need to make healthy choices. It places special emphasis on how students can maintain the habits of healthy, active living throughout their lives as they make the transition to adulthood and independent living. Through participation in a wide range of physical activities in a variety of settings, students can enhance their movement competence, personal fitness, and confidence. Students also acquire an understanding of the factors and skills that contribute to healthy development and learn how their own well-being is affected by, and affects, the world around them. Students build their sense of self, learn to interact positively with others, and develop their ability to think critically and creatively
PSK4U1	Introductory Kinesiology	12	University	Physical Education	This course focuses on the study of human movement and of systems, factors and principals involved in human development. Students will investigate about the effects of physical activity on health and performance, the evolution of physical activity and sports and the factors that influence an individual's participation in physical activity. The course prepares students for university programs in physical education, kinesiology, 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
PSK4UH	IB-Biology-HL	12	University	Biology	This course is only available to IB students
SBI4U1	Biology	12	University	Science	This course provides students with the opportunity for in-depth study of the concepts and processes that occur in biological systems. Students will study theory and conduct investigations in the areas of biochemistry, metabolic processes, molecular genetics, homeostasis, and population dynamics. Emphasis will be placed on the achievement of detailed knowledge and the refinement of skills needed for further study in various branches of the life sciences and related fields. Prerequisite: Biology, Grade 11, University Preparation
SBI4U7	IB - Biology - SL	12	University	Biology	Available to IB student only. This is the standard level IB course code.
SBI4UH	IB - Biology - HL	12	University	Biology	Available to IB student only. This is the Higher level IB course code.
SCH4C1	Chemistry	12	College	Science	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. Prerequisite: Science, Grade 10, Academic or Applied
SCH4U1	Chemistry	12	University	Science	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
SCH4U7	IB - Chemistry - SL	12	University	Chemistry	This course is only available to IB students. 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
SCH4UH	IB - Chemistry - HL	12	University	Chemistry	This course is only available to IB students. 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
SES4UH	IB- Chemistry - HL	12	University	Chemistry	This course is only available to IB students.
SPH4C1	Physics	12	College	Science	This course develops students' understanding of the basic concepts of physics. Students will explore these concepts as they relate to mechanics, electrical, fluid (hydraulic and pneumatic), and communications systems, as well as to the operation of commonly used tools and equipment. Students will develop scientific-inquiry skills as they verify accepted 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. This course is only available on-line.
SPH4U1	Physics	12	University	Science	This course enables students to deepen their understanding of the concepts and theories of physics. Students will explore further the laws of dynamics and energy transformations, and will investigate electrical, gravitational, and magnetic fields; electromagnetic radiation; and the interface between energy and matter. They will further develop inquiry skills, learning, for example, how the interpretation of experimental data can provide indirect evidence to support the development of a scientific model. Students will also consider the impact on society and the environment of technological applications of physics.
SPH4U7	IB - Physics - SL	12	University	Physics	This course is only available to students enrolled in the IB program. This course enables students to deepen their understanding of the concepts and theories of physics. Students will explore further the laws of dynamics and energy transformations, and will investigate electrical, gravitational, and magnetic fields; electromagnetic radiation; and the interface between energy and matter. They will further develop inquiry skills, learning, for example, how the interpretation of experimental data can provide indirect evidence to support the development of a scientific model. Students will also consider the impact on society and the environment of technological applications of physics.
TCI4C1	Construction Technology	12	College	Technological Education	This course requires students to design, build, and evaluate projects using design instruments and machine and hand tools. Students will solve technological problems through a variety of media; identify and describe building materials and other resources needed to construct, maintain, and service buildings; identify support systems and components; apply safety rules related to materials, processes, and equipment; identify common architectural styles; and identify careers related to construction technology
TEI4M1	Computer Engineering Tech	12	University/College	Technological Education	This course extends students' understanding of computer systems and computer interfacing with external devices. Students will assemble computer systems by installing and configuring appropriate hardware and software, and will learn more about fundamental concepts of electronics, robotics, programming, and networks. Students will examine environmental and societal issues related to the use of computers, and explore postsecondary pathways leading to careers in computer engineering and related fields. Prerequisite: Computer Engineering Technology, Grade 11, University/College Preparation
TFJ4C1	Hospitality	12	College	Technological Education	This course enables students to demonstrate a professional level of culinary competence in food preparation and presentation. They will also demonstrate the ability to follow the best practices of administration and management as they relate to the industry and demonstrate the ability to successfully market and promote an event or activity. They will also demonstrate the ability to plan and deliver an event or activity.
TGG4M1	Communications Tech Yearbook	12	University/College	Technological Education	Yearbook development - see department head of Technology for more information.
TPJ4C1	Health Care	12	College	Technological Education	This course focuses on the development of a range of skills needed to analyse and interpret clinical findings. Students will learn about accepted health care practices and demonstrate an understanding of basic procedures and the use of appropriate instruments and equipment. They will acquire an understanding of basic concepts related to the function of the human immune system and explore the relationship between pathogens and disease prevention and treatment. Students will expand their awareness of workers' health and safety issues, analyse environmental and societal issues related to health care, and further explore professional practice standards and postsecondary destinations in the field. Prerequisite: Health Care, Grade 11, College Preparation

TPJ4M1	Health Care	12	University/College	Technological Education	This course focuses on the development of a range of skills needed to analyse and interpret clinical findings. Students will learn about accepted health care practices and demonstrate an understanding of basic procedures and the use of appropriate instruments and equipment. They will acquire an understanding of basic concepts related to the function of the human immune system and explore the relationship between pathogens and disease prevention and treatment. Students will expand their awareness of workers' health and safety issues, analyse environmental and societal issues related to health care, and further explore professional practice standards and postsecondary destinations in the field. Prerequisite: Health Care, Grade 11, University/College Preparation
TTJ4C1	Transportation Technology	12	College	Technological Education	This course enables students to further develop technical knowledge and skills as they study, test, service, and repair engine management systems; power trains; steering/control, suspension, brake, and body systems on vehicles, aircraft, and/or watercraft; and/or small engine products. Students will refine communication and teamwork skills through practical tasks, using a variety of tools and equipment. Students will expand their awareness of environmental and societal issues related to transportation and their knowledge of apprenticeship and college programs leading to careers in the transportation industry. Prerequisite: Transportation Technology,
TXH4E1	Hairstyling	12	Workplace	Technological Education	This course enables students to develop increased proficiency in a wide range of hairstyling and aesthetics services. Working in a salon/spa environment, students strengthen their fundamental cosmetology skills and develop an understanding of common business practices and strategies in the salon/spa industry. Students expand their understanding of environmental and societal issues and their knowledge of postsecondary destinations in the hairstyling and aesthetics industry. Prerequisite: Hairstyling and Aesthetics, Grade 11, Workplace Preparation