OTHS Course Catalogue

Revisions Pending

The OTHS Course Catalogue is designed as a quick reference for families to use as they consider registration at Oakville Trafalgar High School. Advanced Placement courses and preparation courses are included throughout this catalogue. We encourage current students and their families to review together myblueprint.ca/halton for the full Halton District School Board Course Catalogue. It includes detailed information about regional programs, elearning courses and guidance messages associated with specific course options for current students.

THE ARTS

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Grade 9

Grade 9, Dramatic Arts (Open) ADA1O1
This course emphasizes the active exploration of dramatic forms and techniques, using material from a wide range of authors, genres, and cultures. Students will construct, discuss, perform, and analyse drama, and then reflect on the experiences to develop an understanding of themselves, the art form, and the world around them.

Grade 9,Instrumental Music (Open) AMU1O1
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 processes 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.

Grade 9, Vocal Music (Open) AMV1O1
Course description is the same as AMU 1O1.
This is a course designed for students who like to sing. No previous experience is necessary. Students will be introduced to sight singing, proper breathing and general choral techniques.

Grade 9, Visual Arts (Open) AVI1O1
This course offers an overview of visual arts as a foundation for further study. Students will become familiar with the elements and principles of design and the expressive qualities of various materials through working with a range of materials, processes, techniques, and styles. They will learn and use methods of analysis and criticism and will study the characteristics of particular historical art periods and a selection of Canadian art and the art of other cultures.

Grade 10

Grade 10, Dramatic Arts (Open) ADA2O1

This course requires students to actively explore dramatic forms and techniques, using their own ideas and concerns as well as sources selected from a wide range of authors, genres, and cultures. Student learning will include identifying and using the principles of space, time, voice, and movement in creating, sustaining, and communicating authentic roles within a drama. Students will assume responsibility for decisions made in the creation and presentation of the drama, and will analyse and reflect on the experience.

Grade 10, Music, Instrumental (Open) AMU2O1

This course emphasizes the creation and performance of music at a level consistent with previous experience. Students will develop musical literacy skills by using the creative and critical analysis processes in composition, performance, and a range of reflective and analytical activities. Students will develop their understanding of musical conventions, practices, and terminology and apply the elements of music in a range of activities. They will also explore the function of music in society with reference to the self, communities, and cultures.

Grade 10, Music, Vocal (Open) AMV2O1

The course description is the same as AMU2O1.
This is a course designed for students who like to sing. No previous experience is necessary. Students will be introduced to sight singing, proper breathing and general choral techniques.

Grade 10, Music, Strings (Open) AMS2O1

This course is designed for students with no previous experience playing a stringed instrument to develop foundational skills and technique on their chosen instrument, as well as for students who have previously played a stringed instrument that would like to further develop their beginning technique. Work on theory rudiments, ear training and simple analysis will also be explored. Students may choose from the following instruments in the course: Violin, Viola, Cello and Upright Bass.

Grade 10, Photography (Open) AWQ2O1

This course enables students to develop their skills in producing and presenting photography 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 and photography within a personal, contemporary, and historical context.

Grade 10, Visual Arts (Open) AVI2O1

This course emphasizes learning through practice,through building on what students know and introducing them to new ideas, materials, and processes for artistic thinking and experimentation. Student learning will include the refined application of the elements and principles of design, incorporating the creative and design processes, and the relationship between form and content. Students will also learn about the connections between works of art and their historical contexts.

Grade 11

Grade 11, Dramatic Arts (Open) ADA3M1
This course requires students to create and to present dramatic works. Students will do research on and study such types of contemporary theatre as docudrama and forum theatre. They will interpret and present works in a variety of dramatic forms; create and script original works; analyse and reflect on dramatic works; and develop their communication skills and other skills useful in a variety of careers**.**
Prerequisite: Dramatic Arts, Grade 9 or 10, Open

Grade 11, Music - Guitar (Open) AMG3O1
This course develops students' musical literacy through performance and the preparation and presentation of music productions. Students will perform works at a level consistent with previous experience. Independently and collaboratively, students will use current technology and the creative and critical analysis processes to plan, produce, present, and market musical productions. Students will respond to, reflect on, and analyse music from various genres and periods, and they will develop skills transferable to other aspects of their life and their careers.
Prerequisite: There is no prerequisite for this course

Grade 11, Instrumental Music (University/College) AMU3M1
This course develops students' musical literacy through performances and the preparation and presentation of music productions. Students will perform works at a level consistent with previous experience. Independently and collaboratively, students will use current technology and the creative and critical analysis processes to plan, produce, present, and market musical productions. Students will respond to, reflect on, and analyse music from various genres and periods, and they will develop skills transferable to other aspects of their life and their careers.
Prerequisite: Music, Grade 9 or 10, Open.

Grade 11, Vocal Music (University/College) AMV3M1
The course description is the same as AMU3M1.
Students will expand upon previous skills developed in Grade 9 or Grade 10 AMU/AMS/AMV for sight singing, proper breathing and choral techniques.
Prerequisite: Music or Vocal, Grade 9 or 10, Open.

Grade 11, Strings Music (University/College) AMS3M1
This course is a continuation of the Grade 10 course where students will continue to develop their performance skills on a stringed instrument. Course material will help develop students' technique so that they are able to play more difficult ensemble and solo material easier. There will also be work on improvising, using computer notation software and working in small ensembles. Students will showcase their skills at the end of the course by working with a professional accompanist to prepare their end performance tasks and will be able to showcase their skills in the Winter or Spring Concert. Instrumentation for the course is: Violin, Viola, Cello and Upright Bass.
Prerequisites: Grade 10, Music Strings, AMS2O1, Open.

Grade 11, Visual Arts (University/College) AVI3M1
This course provides students with opportunities to further develop their skills and knowledge in visual arts. Students will explore a range of subject matter through studio activities, and will

consolidate their practical skills. Students will also analyse art works and study aspects of Western Art History, as well as art forms from Canada and other parts of the world.
Prerequisite: Visual Arts, Grade 9 or 10, Open.

Grade 11, Photography (University/College) AWQ3M1
This course enables students to further develop their knowledge and skills in visual arts and photography.Students will use the creative process to explore a wide range of themes through studio work as well as the creation of collage, multimedia works, and works using emerging technologies. Students will use the critical analysis process when evaluating their own work and the work of others.
Prerequisite: Prerequisite: Visual Arts, Photography, Grade 9 or 10, Open

Grade 12

Grade 12, Dramatic Arts (University/College) ADA4M1
This course requires students to experiment with forms and conventions in dramatic literature, and to create/adapt and present dramatic works. Students will do research on dramatic forms, conventions, themes, and theories of acting and directing from different historical periods, and apply their knowledge of these in analysing and interpreting dramatic literature, including Canadian works and works from various cultures in the late twentieth century. Students will also examine the significance of dramatic arts in various cultures.
Prerequisite: Dramatic Arts, Grade 11, University/College Prep

Grade 12, Music - Guitar (University/College) AMG4M1
The Guitar course offered in Grade 12 is an intermediate/advanced guitar course. In this class students will continue their learning on how to play using tablature and notation as well as how to do some more advanced improvising. This class will involve the use of technology and will have its foundation in Rock and Blues.
Prerequisite: **Music - Guitar, Grade 11**

Grade 12, Instrumental Music (University/College) AMU4M1
This course enables students to enhance their musical literacy through the creation, appreciation, analysis, and performance of music. Students will perform traditional, commercial, and art music, and will respond with insight to live and recorded performances. Students will enhance their understanding of the function of music in society and the impact of music on themselves and various communities and cultures. Students will analyse how to apply skills developed in music to their lives and careers.
Prerequisite: Instrumental Music, Grade 11, University/College Preparation

Grade 12, Vocal/Choral Music (University/College) AMV4M1
The course description is the same as AMU4M1.
Students will expand upon previous skills developed in Grade 11AMV3M1 for sight singing, proper breathing and choral techniques.
Prerequisite: Vocal Music, AMV3M1, University/College Preparation

Grade 12, Strings Music (University/college) AMS4M1
Students enrolled in Grade 12 Strings will develop instrument specific technique which will include the introduction to many musical ornaments and stylistic elements that they will encounter in their advanced repertoire and solo playing. They will expand on the computer music learned in Grade 11 and complete an arranging assignment where the class will play their unique arrangements. Students will also dive deeper into analysing works of music from different musical time periods to help their understanding of how repertoire should be interpreted

and played. Instrumentation for the course is: Violin, Viola, Cello and Upright Bass
Prerequisite: Grade 11 Strings, Music AMS3M1, University/College Preparation

Grade 12, Visual Arts (University/College) AVI4M1
This course focuses on the refinement of students' skills and knowledge in visual arts. Students will analyse art forms. They will use theories of art in analysing and producing art, and increase their understanding of stylistic changes in modern and contemporary Western art, Canadian art, and art forms from various parts of the world. Students will produce a body of work demonstrating a personal approach.
Prerequisite: Visual Arts or Photography, Grade 11, University/College Preparation or Open

Grade 12, Visual Arts - Non-Traditional (University/College) AWT4M1
This course explores the creative process when creating and presenting alternative art making forms such as: Land Art, Digital Art, Installation Sculpture/3 Dimensional Design, Textile Art and Design, Street Art, Community Project Art, Wearable Art, Wellness Art and Conceptual Art. Students will use the critical analysis process to deconstruct art works and explore the connections between art and society. The studio program enables students to explore a range of materials, processes, and techniques that can be applied in collaborative art production contexts. Students will also make connections between various works of art in personal, contemporary, historical, and cultural contexts.

Prerequisite: Visual Arts or Photography, Grade 11, University/College Preparation

BUSINESS STUDIES

Grade 9

Grade 9, Building the Entrepreneurial Mindset (Open) BEM 1O1

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 will enhance their communications skills as well as develop and refine their project management skills, including goal setting, time management, and networking.

Grade 10

Grade 10, Launching and Leading a Business (Open) BEP 2O1
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.

Grade 10, Launching and Leading a Business ****Advanced Placement (AP)** (Open) BEP 2OP**

Advanced Placement® Course. This course delivers the Ontario Curriculum for BEP2O1 and layers additional Advanced Placement content into learning modules. Students who are interested in writing the Advanced Placement Business and Personal Finance Exam should select this course option.

Grade 11

Grade 11, Financial Accounting Fundamentals (University/College) BAF3M1

This course introduces students to the fundamental principles and procedures of accounting. Students will develop financial analysis and decision-making skills that will assist them in future studies and/or career opportunities in business. Students will acquire an understanding of accounting for a service and a merchandising business, computerised accounting, financial analysis, and current issues and ethics in accounting.
Prerequisite: None

Grade 11, Entrepreneurship: The Venture (College) BDI3C1

This course focuses on ways in which entrepreneurs recognize opportunities, generate ideas, and organize resources to plan successful ventures that enable them to achieve their goals. Students will create a venture plan for a student-run school-based. Through hands-on experiences, students will have opportunities to develop the values, traits, and skills most often associated with successful entrepreneurs.
Prerequisite: None

Grade 11, Marketing: Goods, Services, Events (College) BMI3C1

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.
Prerequisite: None

Grade 12

Grade 12, Financial Accounting Principles (University/College) BAT4M1

This course introduces students to advanced accounting principles that will prepare them for postsecondary studies in business. Students will learn about financial statements for various forms of business ownership and how those statements are interpreted in making business decisions. This course expands students' knowledge of sources of financing, further develops accounting methods for assets, and introduces accounting for partnerships and corporations.
Prerequisite: Financial Accounting Fundamentals, Grade 11, University/College Preparation

Grade 12, International Business Fundamentals (University/College) BBB4M1

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

Prerequisite: None

Grade 12, Business Leadership:
Management Fundamentals (University/College) BOH4M1
This course focuses on the development of leadership skills used in managing a successful business. Students will analyse the role of a leader in business with a focus on decision making, management of group dynamics, workplace stress and conflict, motivation of employees, and planning. Effective business communication skills, ethics, and social responsibility will be emphasized throughout the course.
Prerequisite: None

Grade 12, Sports, Entertainment and Event Marketing (Open) IDC4O1
This Interdisciplinary course will develop skills for students in the areas of advertising, public relations, publicity, event marketing, endorsement, sponsorship, product distribution, consumer research, ethics and career opportunities. Business management and administrative skills will be developed through the study of both amateur and professional sports. Students will select strategies to define problems, research alternative solutions, access their thinking in reaching decisions and adapt to change as they acquire new knowledge. Students will apply their knowledge in the areas of business marketing, social sciences, media studies, and physical education.
Prerequisite: None, Open to Grade 11 and Grade 12 students

Grade 12, Business Communication (University) IDC4U1
This course aims to help students develop skills needed to succeed in today's technologically advanced society. The focus of this course will be on written and oral communication skills. Through cases, presentations and written work, students will develop skills necessary for success in future business courses, professional positions and internships. Students will enhance their interpersonal and decision-making skills, learn how to become effective presenters, explore collaboration techniques, and learn how to use communication technology appropriately and effectively.
Prerequisite: Prior Business Course

CANADIAN AND WORLD STUDIES (GEOGRAPHY)

Grade 9

Grade 9, Exploring Canadian Geography (De-streamed) CGC1W1

This course builds on learning in Grades 7 and 8 in geography. Students will explore relationships within and between Canada's natural and human systems and how they interconnect with other parts of the world. Students will also examine environmental and economic issues, and their impact related to topics such as natural resources and industries, careers, land use and responsible development, and sustainability. In addition, students will understand the connections that diverse communities and individuals have with the physical environment and each other throughout Canada, including First Nations, Métis, and Inuit perspectives. Students will apply geographic thinking, use the geographic inquiry process, and use geospatial technologies throughout their investigations. (This course is also offered as a Gifted credit [ending in "5"] to eligible students.)

Grade 11

Grade 11, Travel and Tourism (Open) CGG301

This course focuses on issues related to travel and tourism within and between various regions of the world. Students will investigate unique environmental, sociocultural, economic, and political characteristics of selected world regions. They will explore travel patterns and trends, as well as tensions related to tourism, and will predict future tourism destinations. Students will apply the concepts of geographic thinking and the geographic inquiry process, including spatial technologies, to investigate the impact of the travel industry on natural environments and human communities.

Grade 12

Grade 12, Canadian and World Issues: A Geographic Analysis (University) CGW4U1

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

Prerequisite: Any university,or university/college course in Canadian and World Studies, English, or Social Sciences and Humanities

HISTORY, SOCIAL SCIENCES AND CIVICS/CITIZENSHIP

Grade 10

Grade 10, Canadian History Since World War I (Academic) CHC2D1

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.
(This course is also offered as a Gifted credit [ending in "5"] to eligible students.)

Grade 10, Canadian History Since World War I (Applied) CHC2P1
This course explores some of the pivotal events and experiences that have influenced the development of Canada's identity as a nation from World War I to the present. By examining how the country has responded to economic, social, and technological changes and how individuals and groups have contributed to Canadian culture and society during this period, students will develop their ability to make connections between historical and current events. Students will have opportunities to formulate questions, locate information, develop informed opinions, and present ideas about the central issues and events of the period.

Grade 10, Civics and Citizenship (Open) CHV2O1
This course explores what it means to be an informed, participating citizen in a democratic society. Students will learn about the elements of democracy in local, national, and global contexts, about political reactions to social change, and about political decision-making processes in Canada. They will explore their own and others' ideas about civics questions and learn how to think critically about public issues and react responsibly to them.
NOTE: This is a compulsory half credit that is connected with the compulsory Grade 10, Career Studies (GLC20) half credit.

Grade 11

Grade 11, American History (University) CHA3U1
This course explores key aspects of the social, economic, and political development of the United States from precontact to the present. Students will examine the contributions of groups and individuals to the country's evolution and will explore the historical context of key issues, trends, and events that have had an impact on the United States, its identity and culture, and its role in the global community. Students will extend their ability to apply the concepts of historical thinking and the historical inquiry process, including the interpretation and analysis of evidence, when investigating various forces that helped shape American history.
Prerequisite: Canadian History Since World War I, Grade 10, Academic or Applied

Grade 11, American History **Advanced Placement (AP) (University) CHA3UP
AP® Advanced Placement® Course. This course delivers the Ontario Curriculum for CHA3U1 and layers additional Advanced Placement content into learning modules. Students who are interested in writing the Advanced Placement US History Exam should select this course option.
Prerequisite: Canadian History Since World War I, Grade 10, Academic or Applied

Grade 11, Understanding Canadian Law (University/College) CLU3M1
This course explores Canadian law with a focus on legal issues that are relevant to people's everyday lives. Students will investigate fundamental legal concepts and processes to gain a practical understanding of Canada's legal system, including the criminal justice system. Students will use critical-thinking, inquiry, and communication skills to develop informed opinions on legal issues and apply this knowledge in a variety of ways and settings, including case analysis, legal research projects, mock trials, and debates.
Prerequisite: Canadian History Since World War 1, Grade 10, Academic or Gifted or Applied

Grade 11, World History to the End of the 15th Century (University/College) CHW3M1
This course explores the history of various societies and civilizations around the world, from earliest times to around 1500 CE. Students will investigate a range of factors that contributed to the rise, success, and decline of various ancient and pre-modern societies throughout the world and will examine life in and the cultural and political legacy of these societies. Students will extend their ability to apply the concepts of historical thinking and the historical inquiry process, including the interpretation and analysis of evidence, when investigating social, political, and economic structures and historical forces at work in various societies and in different historical eras
Prerequisite: Grade 10 History

Grade 12

Grade 12, World History: Since the Fifteenth Century (University) CHY4U1
This course traces major developments and events in world history since approximately 1450. Students will explore social, economic, and political changes, the historical roots of contemporary issues, and the role of conflict and cooperation in global interrelationships. They will extend their ability to apply the concepts of historical thinking and the historical inquiry process, including the interpretation and analysis of evidence, as they investigate key issues and ideas and assess societal progress or decline in world history.
Prerequisite: Any university or university/college preparation course in Canadian and World Studies, English, or Social Sciences and Humanities

Grade 12, Analysing Current Economic Issues (University) CIA4U1
This course investigates the nature of the competitive global economy and explores how individuals and societies can gain the information they need to make appropriate economic decisions. Students will learn about the principles of microeconomics and macroeconomics, apply economic models and concepts to interpret economic information, assess the validity of statistics, and investigate marketplace dynamics. Students will use economic inquiry and communication skills to analyse current economic issues, make informed judgements, and present their findings.
Prerequisite: Any university or university/college preparation course in Canadian and World Studies, English, or Social Sciences and Humanities

Grade 12 Analysing Current Economic Issues ***Advanced Placement (AP)* (University) CIA4UP**

AP Advanced Placement® Course. This course will cover the same topics as CIA4U, including additional, more in-depth content for both Microeconomics and Macroeconomics in preparation for these individualized AP exams.
Prerequisite: Any university or university/college preparation course in Canadian and World Studies, English, or Social Sciences and Humanities

Grade 12, Canadian and International Law (University) CLN4U1
This course examines elements of Canadian and international law in social, political, and global contexts. Students will study the historical and philosophical sources of law and the principles and practices of international law and will learn to relate them to issues in Canadian society and the wider world. Students will use critical-thinking and communication skills to analyse legal

issues, conduct independent research, and present the results of their inquiries in a variety of ways.
Prerequisite: Any university or university/college preparation course in Canadian and World Studies, English, or Social Sciences and Humanities

ENGLISH

Grade 9

Grade 9 English, (De-Streamed) ENL1W1/5
This course enables students to continue to develop and consolidate the foundational knowledge and skills that they need for reading, writing, and oral and visual communication. Throughout the course, students will continue to enhance their media literacy and critical literacy skills, and to develop and apply transferable skills, including digital literacy. Students will also make connections to their lived experiences and to society and increase their understanding of the importance of language and literacy across the curriculum.
(This course is also offered as a Gifted credit [ending in "5"] to eligible students.)

Grade 10

Grade 10, English (Academic) ENG2D1
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 compulsory Grade 11 university or college preparation course. (This course is also offered as a Gifted credit [ending in "5"] to eligible students.)
Prerequisite: English, Grade 9

Grade 10, English (Applied) ENG2P1
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 on 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.
Prerequisite: English, Grade 9

Grade 11

Grade 11, English: Contemporary First Nations, Métis and Inuit Voices (University) NBE3U1
This course emphasizes the development of literacy, critical thinking, and communication skills through the study of works in English by First Nations, Métis, and Inuit writers. Through the analysis of literary texts and media works, students will develop an appreciation of the wealth and complexity of First Nations, Métis, and Inuit writing. Students will also conduct research and analyse the information gathered; write persuasive and literary essays; and analyse the

relationship between media forms and audiences. An important focus will be the further development of students' understanding of English-language usage and conventions.
Prerequisite: English, Grade 10, Academic

Grade 11, English: Contemporary First Nations, Métis and Inuit Voices (College) NBE3C1

This course emphasizes the development of literacy, critical thinking, and communication skills through the study of works in English by First Nations, Métis, and Inuit writers. Students will study the content, form, and style of informational texts and literary and media works, and will develop an appreciation of the wealth and complexity of First Nations, Métis, and Inuit writing. Students will also write reports, correspondence, and persuasive essays, and analyse the relationship between media forms and audiences. An important focus will be on establishing appropriate voice and using business and technical language with precision and clarity.
Prerequisite: English, Grade 10, Academic or Applied

Grade 12

Grade 12, English (University) ENG4U1

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.(This course is also offered as a Gifted credit [ending in "5"] to eligible students.)
Prerequisite: English, Grade 11, University Preparation or Gifted, including NBE3U1,Understanding Contemporary First Nations, Métis and Inuit Voices, University Preparation

Grade 12, English (College) ENG4C1

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.
Prerequisite: English, Grade 11, College Preparation or University Preparation or Gifted, including NBE3C1/NBE3U1, Understanding Contemporary First Nations, Métis and Inuit Voices, College Preparation or University Preparation

Grade 12, The Writer's Craft (University) EWC4U1

This course emphasizes knowledge and skills related to the craft of writing. Students will investigate models of effective writing; use a workshop approach to write a variety of works; and make considered decisions for improving the quality of their writing. They will also complete a creative or analytical independent study project and investigate opportunities for publication and for writing careers.
Prerequisite: English, Grade 11, University Preparation or Gifted, including NBE3U1,Understanding Contemporary First Nations, Métis and Inuit Voices, University Preparation

FRENCH

Grade 9

Grade 9, Core French (Academic) FSF1D1
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 develop their skills in listening, speaking, reading, and writing 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 skills necessary for lifelong language learning.

Grade 9, Open French (Open) FSF1O1
This is an introductory course for students who have little or no knowledge of French or who have not accumulated the minimum of 600 hours of elementary Core French instruction. Students will begin to understand and speak French in guided and structured interactive settings, and will develop fundamental skills in listening, speaking, reading, and writing through discussing issues and situations that are relevant to their daily lives. Throughout the course, students will develop their awareness of diverse French-speaking communities in Canada and acquire an understanding and appreciation of these communities. They will also develop a variety of skills necessary for lifelong language learning.
Note: *For those who do not have the required hours of French instruction at the elementary level. (less than 600 hours of French instruction)*

Grade 9, French Immersion (Academic) FIF1D4
This course provides opportunities for students to speak and interact in French independently in a variety of real-life and personally relevant contexts. Students will develop their skills in listening, speaking, reading, and writing, as well their ability to communicate in French with confidence, by using language learning strategies introduced in the elementary French Immersion program. Students will enhance their knowledge of the French language through the study of French Canadian literature. They will also increase their understanding and appreciation of diverse French-speaking communities, and will develop skills necessary for lifelong language learning.
Prerequisite: Minimum of 3800 hours of French instruction, or equivalent and student is registered in the FI programming.

Grade 10

Grade 10, Core French (Academic) FSF2D1
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 develop their skills in listening, speaking, reading, and writing 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 develop skills necessary for lifelong language learning.
Prerequisite: Core French, Grade 9, Academic

Grade 10, French Immersion (Academic) FIF2D4
This course provides students with extensive opportunities to communicate, interact, and think critically and creatively in French. Students will use a variety of language learning strategies in listening, speaking, reading, and writing, and will respond to and interact with print, oral, visual, and electronic texts. Students will develop their knowledge of the French language through the study of contemporary French literature and historically well-known French European literature. They will also increase their understanding and appreciation of diverse French-speaking communities, and will develop skills necessary for lifelong language learning.
Prerequisite: French Immersion, Grade 9

Grade 11

Grade 11, Core French and AP preparation (University) FSF3U1/P
Advanced Placement Preparation.
This course offers students extended opportunities to speak and interact in real-life situations in French with greater independence. Students will develop their listening, speaking, reading, and writing skills, as well as their creative and critical thinking skills, through responding to and exploring a variety of oral and written texts. They will also broaden their understanding and appreciation of diverse French-speaking communities, and will develop skills necessary for lifelong language learning. *Alongside the Ontario Curriculum students will engage in Advanced Placement preparation through an exploration of culture in both contemporary and historical contexts to help them work toward success on the AP French Language and Culture Exam.*
Prerequisite: Core French, Grade 10, Academic

Grade 11, French Immersion (University) FIF3U4
This course provides opportunities for students to consolidate the communication skills required to speak and interact with increasing confidence and accuracy in French in a variety of academic and social contexts. Students will use their skills in listening, speaking, reading, and writing and apply language learning strategies while exploring a variety of concrete and abstract topics. Students will increase their knowledge of the French language through the study of French literature from around the world. They will also deepen their understanding and appreciation of diverse French-speaking communities, and will develop skills necessary for lifelong language learning.
Prerequisite: French Immersion, Grade 10, Academic

Grade 12

Grade 12, Core French (University) FSF4U1
This course provides extensive opportunities for students to speak and interact in French independently. Students will develop their listening, speaking, reading, and writing skills, apply language learning strategies in a wide variety of real-life situations, and develop their creative and critical thinking skills through responding to and interacting with a variety of oral and written texts. They will also enrich their understanding and appreciation of diverse French-speaking communities, and will develop skills necessary for lifelong language learning.
Prerequisite: Core French, Grade 11, University Preparation

Grade 12, French Immersion (University) FIF4U4
This course provides students with extensive opportunities to communicate, interact, and think critically and creatively in French. Students will consolidate their listening, speaking, reading and writing skills and apply language learning strategies while communicating about concrete and abstract topics, and will independently respond to and interact with a variety of oral and written

texts. Students will study a selection of French literature from the Middle Ages to the present. They will also enrich their understanding and appreciation of diverse French-speaking communities, and will develop skills necessary for lifelong language learning.
Prerequisite: French Immersion, Grade 11, University Preparation

FRENCH IMMERSION

NOTE: In addition to the French Language Arts courses (FIF), these courses are compulsory to earn the Certificate of Immersion Studies.

Grade 9

Grade 9, Building the Entrepreneurial Mindset, (Open) BEM 1O4

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 will enhance their communications skills as well as develop and refine their project management skills, including goal setting, time management, and networking.

Grade 9, Exploring Canadian Geography (De-streamed) CGC1W4
This course builds on learning in Grades 7 and 8 in geography. Students will explore relationships within and between Canada's natural and human systems and how they interconnect with other parts of the world. Students will also examine environmental and economic issues, and their impact related to topics such as natural resources and industries, careers, land use and responsible development, and sustainability. In addition, students will understand the connections that diverse communities and individuals have with the physical environment and each other throughout Canada, including First Nations, Métis, and Inuit perspectives. Students will apply geographic thinking, use the geographic inquiry process, and use geospatial technologies throughout their investigations.

Grade 9, Science (De-streamed) SNC1W4
This course enables students to develop their understanding of concepts related to biology, chemistry, physics, and earth and space science, and to relate science to technology, society, and the environment. Throughout the course, students will develop and refine their STEM skills as they use scientific research, scientific experimentation, and engineering design processes to investigate concepts and apply their knowledge in situations that are relevant to their lives and communities. Students will continue to develop transferable skills as they become scientifically literate global citizens.

Grade 10

Grade 10, Canadian History Since World War 1 (Academic) CHC2D4

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

Grade 10, Drama (Open) ADA204
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 analyse drama, and then reflect on the experiences to develop an understanding of themselves, the art form, and the world around them.

Civics and Citizenship / Career Studies (Select BOTH Compulsory Half Courses)

Grade 10, Civics (0.5 credit) (Open) CHV2O4
This course explores what it means to be an informed, participating citizen in a democratic society. You will learn about the elements of democracy and the meaning of democratic citizenship in local, national, and global contexts. In addition, you will learn about social change, examine decision-making processes in Canada, explore your own and others' beliefs and perspectives on civics questions, and learn how to think and act critically and creatively about public issues.

Grade 10, Career Studies (0.5 credit) (Open) GLC2O4
This course teaches you how to develop and achieve personal goals in education and work and contribute to your community. Learning will include assessing your own knowledge, skills, and characteristics and investigating economic trends, workplace organization, work opportunities, and ways to search for work. The course explores post-secondary learning options, prepares you for community-based learning, and helps you build the capabilities needed for managing work and life transitions. You will design action plans for pursuing your goals.

SPANISH

Grade 10

Grade 10, Spanish - Level 1 (Academic) LWSBD1
This course introduces students to language elements they will need to begin to communicate with native speakers. Students will participate in practical activities in which they can apply their knowledge and skills, and will begin to explore careers that require knowledge of Spanish. Students will be involved in activities that promote the use of the language in real-life situations. They will explore aspects of the culture of countries where Spanish is spoken, including social customs, music, and food, by participating in cultural events and activities involving both print and technological resources.
Prerequisite: None

Grade 11

Grade 11, Spanish - Level 2 (University) LWSCU1
This course offers students opportunities to further develop their knowledge of Spanish and to enhance their communication skills. Students will use increasingly sophisticated language in a variety of activities that will enable them to speak and write with clarity and accuracy. Students will also enhance their thinking skills through the critical study of literature, and continue to explore aspects of the culture of countries where Spanish is spoken through a variety of print and technological resources.
Prerequisite: LWSBD1, Academic
NOTE: Students selecting LWSCU1 may want to consider choosing LWSDU1 as well, in order to complete their Spanish studies in their Grade 11 year.

Grade 12

Grade 12, Spanish - Level 3 (University) LWSDU1
This course prepares students for university studies in Spanish. Students will enhance their ability to use 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 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.
Prerequisite: LWSCU1, University Preparation

GUIDANCE, SUPPORT AND COOPERATIVE EDUCATION

Grade 9

Grade 9/Grade 10/Grade 11/Grade 12, Learning Strategies:
Skills for Success in Secondary School (Open) GLS/GLE
This course focuses on learning strategies and helps 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. Instruction on the use of assistive technologies will be available.
Prerequisite: For GLS – Recommendation of principal For GLE – HDSB IEP

Grade 10

Grade 10, Career Studies (Open) GLC2O1
This course teaches students how to develop and achieve personal goals for future learning, work, and community involvement. Students will assess their interests, skills and characteristics and investigate current economic and workplace trends, work opportunities and ways to search for work. The course explores postsecondary learning and career options, prepares students for managing work and life transitions, and helps students focus on their goals through the development of a career plan.
Prerequisite: None

NOTE: This is a compulsory half credit that is connected with the compulsory Grade 10, Civics and Citizenship (CHV201) half credit.

Grade 11

Grade 11, Leadership and Peer Support - Peer Tutoring (Open) GPP3O2
This course prepares students to act in leadership and peer support roles. They will design and implement a plan for contributing to their school within the classroom environments as peer tutors; develop skills in communication, interpersonal relations, teamwork, and conflict management; and apply those skills in peer support roles. Students will examine group dynamics and learn the value of diversity within groups and communities.
Use this link to submit your preferences for the type of class you would like to be assigned to as a peer tutor.
Prerequisite: None. Recommended for students in Grades 10, 11 or 12.

Grade 11, Designing Your Future (Open) GWL3O1
This course prepares students to make successful transitions to postsecondary destinations as they investigate specific postsecondary options based on their skills, interests and personal characteristics. Students will explore the realities and opportunities of the workplace and examine factors that affect success, while refining their job search and employability skills. Students will develop their portfolios with a focus on their targeted destination and develop an action plan for future success.
Prerequisite: No pre-requisite course.

Grade 11 and 12 COP3O7/407 COP3O8/4O8

Cooperative Education is a two-credit (ends in '8'), 3 credit (add '7' to '8') or 4 credit (COP 308+COP4O8) option that includes a part or full day placement in the workplace. Students taking Cooperative Education relate their Co-op placement to a subject in which they are currently enrolled or one that they have taken previously. All Co-op courses begin with an in-school pre-placement preparation program followed by the placement experience. At regular intervals throughout the course, Co-op students meet in class at the school to debrief and reflect on their placement experience.

The **classroom component** of Co-op helps students:
- prepare for the work placement and develop a Personalized Placement Learning Plan (PPLP)
- connect their workplace experiences to their learning in school
- reflect on and analyse their experiences in the workplace

The **placement component** of Co-op provides students with the opportunity to:
- apply the knowledge and skills learned in a school subject - in the workplace

Students enrolled in Cooperative Education:
- are regularly monitored and assessed by a Cooperative Education teacher and have regular performance appraisals completed by a placement supervisor
- are covered under the Workplace Safety and Insurance Board by the Ontario Ministry of Education
- Student interested in 8 or more Coop credits with the option to register as an Apprentice could speak with their High School Guidance Counsellor and Coop Teacher about *Fast-OYAP (Ontario Youth Apprenticeship Program)*

HEALTH AND PHYSICAL EDUCATION

Grade 9

Grade 9, Healthy Active Living Education (Open)
PPL1OM (Males) PPL1OF (Females)

This course emphasizes regular participation in a variety of enjoyable physical activities that promote lifelong healthy active living. Students will learn movement skills and principles, ways to improve personal fitness and physical competence, and safety/injury prevention strategies. They will investigate issues related to healthy sexuality and the use and abuse of alcohol, tobacco, and other drugs and will participate in activities designed to develop goal-setting, communication, and social skills.

Grade 9, Healthy Living
and Individual and Small Group Activities (All gender) (Open) PAI 1O1

This course equips students with 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, learn to interact positively with others, and develop their ability to think critically and creatively. This course will focus on a variety of individual and small group activities.

Grade 10

Grade 10, Healthy Active Living Education (Open)
PPL2OM (Males) PPL2OF (Females)

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, conflict resolution, and social skills in making personal choices.

Grade 10, Personal Fitness (Open) PAF2OF (Females) PAF2OM(Males)

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 now and lead healthy active lives in the future. Through participation in a wide range of personal and fitness activities in a broader range of activity settings (e.g. fitness centre, strength training, yoga, etc), 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

Grade 10, Healthy Living
and Individual and Small Group Activities (All gender) (Open) PAI 2O1

This course equips students with 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, learn to interact positively with others, and develop their ability to think critically and creatively. This course will focus on a variety of individual and small group activities.

Grade 11

Grade 11, Outdoor Education (Open - All Gender) PAD3O1
This course focuses on the development of a healthy lifestyle and participation in a variety of enjoyable physical activities that have the potential to engage students' interest throughout their lives. Students will be encouraged to develop personal competence in a variety of movement skills and will be given opportunities to practise goal-setting, decision-making, social, and interpersonal skills. Students will also study the components of healthy relationships, reproductive health, mental health, and personal safety. All of these learnings will be addressed through outdoor activities. Please keep in mind that this is an outdoor physical education based course, where course learnings are facilitated outside.
Possible course field trips include: Disc Golf, Hiking, Orienteering, Outdoor Rock Climbing, River Rafting and the mandatory Swim Test (the student must pass to go River Rafting). Some field trips are a full school day and some field trips are only part of the school day. There maybe a cost associated with these field trips. Field trips are not mandatory.
Other Course Activities: Biking, Indoor High Ropes, Fitness, Lower Org. Games. Territory Invasion Games, Net/Wall Games, Striking/Fielding Games, and Target Games.
Prerequisite: None

Grade 11, Healthy Active Living Education (Open - All Gender) PPL3O1
This course focuses on the development of a healthy lifestyle and participation in a variety of enjoyable physical activities that have the potential to engage students' interest throughout their lives. Students will be encouraged to develop personal competence in a variety of movement skills and will be given opportunities to practise goal-setting, decision-making, social, and interpersonal skills. Students will also study the components of healthy relationships, reproductive health, mental health, and personal safety.
Prerequisite: None

Grade 11, Personal and Fitness Activities (Open) PAF3OF (Females) /PAF3OM (Males)
This course focuses on the development of a healthy lifestyle and participation in a variety of enjoyable physical activities that have the potential to engage students' interest throughout their lives. Students will be encouraged to develop personal competence in a variety of movement skills and will be given opportunities to practise goal-setting, decision-making, social, and interpersonal skills. Students will also study the components of healthy relationships, reproductive health, mental health, and personal safety. All of these learnings will be addressed through personal and fitness activities.
Prerequisite: None

Grade 12

Grade 12, Healthy Active Living Education (Open - All Gender) PPL4O1
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, with a view to enhancing their mental health and their relationships with others. Students will be given the option to experience activity within the community.
Prerequisite: None

Grade 12, Introductory Kinesiology (University) PSK4U1
This course focuses on the study of human movement and of systems, factors, and principles involved in human development. Students will learn about the effects of physical activity on health and performance, the evolution of physical activity and 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 open course in Health and Physical Education

Grade 12, Recreation and Healthy Active Living Leadership (College/University - All Gender) PLF4M1
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

Grade 12, Personal and Fitness Activities (Open - All Gender) PAF4O1
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, with a view to enhancing their mental health and their relationships with others. All of these learnings will be addressed through personal and fitness activities. Students will be given the option to experience activity within the community.
Prerequisite: None.

MATHEMATICS

Grade 9

Grade 9, Principles of Mathematics (De-streamed) MTH1W1
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 relevant 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.
(This course is also offered as a Gifted credit [ending in "5"] to eligible students.)

Grade 10

Grade 10, Principles of Mathematics (Academic) MPM2D1
This course enables students to broaden their understanding of relationships and extend their problem-solving and algebraic skills through investigation, the effective use of technology, and abstract reasoning. Students will explore quadratic relationships and their applications; solve and apply linear systems; verify properties of geometric figures using analytic geometry; and investigate the trigonometry of right and acute triangles. Students will reason mathematically as they solve multistep problems and communicate their thinking. (This course is also offered as a Gifted credit [ending in "5"] to eligible students.)
Prerequisite: Principles of Mathematics, Grade 9, De-streamed or Gifted

Grade 10, Foundations of Mathematics, (Applied) MFM2P1
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 and 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.
Prerequisite: Principles of Mathematics, Grade 9 De-streamed or Gifted

Grade 11

Grade 11, Functions (University) MCR3U1
This course introduces the mathematical concept of the function by extending students' experiences with linear and quadratic relations. Students will investigate properties of discrete and continuous functions, including trigonometric and exponential functions; represent functions numerically, algebraically, and graphically; solve problems involving applications of functions; and develop facility in simplifying polynomial and rational expressions. Students will reason mathematically and communicate their thinking as they solve multi-step problems. (This course is also offered as a Gifted credit [ending in "5"] to eligible students.)
Prerequisite: Principles of Mathematics, Grade 10, Academic or Gifted,

Grade 11, Functions and Applications (University/College) MCF3M1
This course introduces basic features of the function by extending students' experiences with quadratic relations. It focuses on quadratic, trigonometric, and exponential functions and their use in modelling real-world situations. Students will represent functions numerically, graphically, and algebraically; simplify expressions; solve equations; and solve problems relating to financial and trigonometric applications. Students will reason mathematically and communicate their thinking as they solve multi-step problems.
Prerequisite: Principles of Mathematics, Grade 10, Academic or Gifted, or Foundations of Mathematics, Grade 10, Applied

Grade 11, Foundations for College Mathematics (College) MBF3C1
This course enables students to broaden their understanding of mathematics as a problem-solving tool in the real world. Students will extend their understanding of quadratic relations, as well as of measurement and geometry; investigate situations involving exponential growth; solve problems involving compound interest; solve financial problems connected with vehicle ownership; and develop their ability to reason by collecting, analysing, and evaluating data involving one and two variables. Students will consolidate their mathematical skills as they solve problems and communicate their thinking.
Prerequisite: Foundations of Mathematics, Grade 10, Applied or Principles of Mathematics, Grade 10, Academic or Gifted

Grade 11, Mathematics for Work and Everyday Life (Workplace) MEL3E1
This course enables students to broaden their understanding of mathematics as it is applied in the workplace and daily life. 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. Students will consolidate their mathematical skills as they solve problems and communicate their thinking.
Prerequisite: Principles of Mathematics, Grade 9, Academic, or Foundations of Mathematics, Grade 9, De-streamed, or a ministry-approved locally developed Grade 10 Mathematics course

Grade 12

Grade 12, Advanced Functions (University) MHF4U1
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.
Prerequisite: Functions, Grade 11, University Preparation or Gifted, or Mathematics for College Technology, Grade 12, College Preparation.

Grade 12, Advanced Functions (University) MHF4UP
*****in conjunction with Advanced Placement (AP) Calculus*****
This course is intended as a prerequisite for students who are taking the Advanced Placement Calculus course in the same school year.
To support the delivery of the Advanced Placement curriculum, the pace of the ***Advanced Functions*** *curriculum delivery will be faster than the pace of the non-AP math classes.* ***The AP Calculus portion will start at the beginning of December.***
Prerequisite: Functions, Grade 11, University preparation

Grade 12, Calculus and Vectors (University) MCV4U1
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 who may choose to pursue careers in fields such as physics and engineering.
(This course is also offered as a Gifted credit [ending in "5"] to eligible students.)
Prerequisite: Advanced Functions (MHF4U), Grade 12, University Preparation must be taken prior to Calculus and Vectors (MCV4U)

Grade 12, Calculus & Vectors **Advanced Placement (AP) (University)MCV4UP**

AP® Course. This course delivers the Ontario Curriculum for andMCV4U1 and layers additional Advanced Placement content into learning modules. Students who are interested in writing the Advanced Placement Calculus AB or BC exam should select this course option plus the MHF4UP course in the same school year. *To support the delivery of the Advanced Placement curriculum in this course, the pace of the **Advanced Functions** curriculum delivery will be faster than the pace of the non-AP math classes. **The AP Calculus portion will start at the beginning of December**.*
Prerequisite: Advanced Functions, Grade 12, MHF4UP must be taken prior to Calculus and Vectors in the same year (MCV4U)

Grade 12, Mathematics of Data Management (University) MDM4U1
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 enter university programs in business, the social sciences, and the humanities will find this course of particular interest.
Prerequisite: Functions, Grade 11, University Preparation or Gifted, or Functions and Applications, Grade 11, University/College Preparation (Recommended: minimum final mark of 70%).

Grade 12, Foundations of College Mathematics (College) MAP4C1
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.
Prerequisite: Foundations for College Mathematics, Grade 11, College Preparation, or Grade 11 Functions and Applications, University/College, or Functions, Grade 11, University Preparation or Gifted

Grade 12, Mathematics for Work and Everyday Life (Workplace) MEL4E1
This course enables students to broaden their understanding of mathematics as it is applied in the workplace and daily life. Students will investigate questions involving the use of statistics; apply the concept of probability to solve problems involving familiar situations; investigate accommodation costs and create household budgets; use proportional reasoning; estimate and measure; and apply geometric concepts to create designs. Students will consolidate their mathematical skills as they solve problems and communicate their thinking.
Prerequisite: Mathematics for Work and Everyday Life, Grade 11, Workplace Preparation

COMPUTER & INFORMATION SCIENCE

Grade 10

Grade 10, Computer Science: Digital Technology and Innovations in the Changing World, (Open) ICD2O
This course helps students develop cutting-edge digital technology and computer programming skills that will support them in contributing to and leading the global economic, scientific and societal innovations of tomorrow. Students will learn and apply coding concepts and skills to build hands-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.

Grade 11

Grade 11, Introduction to Computer Science (University) ICS3U1
This course introduces students to computer science. Students will design software independently and as part of a team, using industry-standard programming tools and applying the software development life-cycle model. They will also write and use subprograms within computer programs. Students will develop creative solutions for various types of problems as their understanding of the computing environment grows. They will also explore environmental and ergonomic issues, emerging research in computer science, and global career trends in computer-related fields.
Prerequisite: None **Recommended:** Grade 10, ICD 2O

Grade 11, Introduction to Computer Science Advanced Placement (AP)** (University) ICS 3UP**
Advanced Placement® Course. This course delivers the Ontario Curriculum for ICS3U1 and layers additional Advanced Placement content into learning modules. Students who are interested in writing the Advanced Placement Computer Science Principles Exam should select this course option.
Prerequisite: None **Recommended:** Grade 10, ICD 2O

Grade 12

Grade 12, Computer Science (University) ICS4U1
This course enables students to further develop knowledge and skills in computer science. Students will use modular design principles to create complex and fully documented programs, according to industry standards. Student teams will manage a large software development project, from planning through to project review. Students will also analyze 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

Grade 12, Computer Science **Advanced Placement(AP) (University) ICS4UP**

Advanced Placement® Course. This course enables students to further develop knowledge and skills in computer science with the additional Advanced Placement curriculum to support students in writing the AP Computer Science A exam..
Prerequisite: Introduction to Computer Science, Grade 11, University Preparation

SCIENCE

Grade 9

Grade 9, Science (De-streamed) SNC1W1
This course enables students to develop their understanding of concepts related to biology, chemistry, physics, and earth and space science, and to relate science to technology, society, and the environment. Throughout the course, students will develop and refine their STEM skills as they use scientific research, scientific experimentation, and engineering design processes to investigate concepts and apply their knowledge in situations that are relevant to their lives and communities. Students will continue to develop transferable skills as they become scientifically literate global citizens.(This course is also offered as a Gifted credit [ending in “5”] to eligible students.)

Grade 10

Grade 10, Science (Academic) SNC2D1
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.(This course is also offered as a Gifted credit [ending in “5”] to eligible students.)
Prerequisite: Science, Grade 9 De-streamed or Gifted

Grade 10, Science (Applied) SNC2P1
This course enables students to develop a deeper understanding of concepts in biology, chemistry, earth and space science, and physics; and to 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, De-streamed or Gifted

Grade 11

Grade 11, Biology (University) SBI3U1
Video. 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. Students will have an opportunity to experience specimen dissection.
Prerequisite: Science, Grade 10, Academic or Gifted

Grade 11, Biology (College) SBI3C1
This course focuses on the processes that occur in biological systems. Students will learn concepts and theories as they conduct investigations in the areas of cellular biology, microbiology, genetics, the anatomy of mammals, and the structure of plants and their role in the natural environment. Emphasis will be placed on the practical application of concepts, and on the skills needed for further study in various branches of the life sciences and related fields. Students will have an opportunity to experience specimen dissection.
Prerequisite: Science, Grade 10, Applied, or Academic or Gifted

Grade 11, Chemistry (University) SCH3U1
Video. 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. (This course is also offered as a Gifted credit [ending in "5"] to eligible students.)
Prerequisite: Science, Grade 10, Academic

Grade 11, Chemistry AP Preparation for Grade 12 Chemistry AP Course (University) SCH3UP
AP Preparation Course. Students enrolled in this course will learn all the material covered in the SCH3U1 course, but with added resources to help them work toward success on the AP Chemistry exam. This course provides students with a university-level foundation to support future advanced coursework in chemistry. Topics specifically covered by this course include:

- Atomic Structure and Properties; Compound Structure and Properties; Properties of Substances and Mixtures: Chemical Reactions

It is strongly recommended that students choose to take the Grade 12 Chemistry AP Course - SCH4UP - as well, in order to cover all topics required for the AP exam.
Prerequisite: Science, Grade 10, Academic

Grade 11, Environmental Science **Advanced Placement (AP) (University/College) SVN3MP**

AP Advanced Placement® Course. This course provides students with the fundamental knowledge of and skills relating to environmental science that will help them succeed in life after secondary school. Students will explore a range of topics, including the role of science in addressing contemporary environmental challenges; the impact of the environment on human health; sustainable agriculture and forestry; the reduction and management of waste; and the conservation of energy. Students will increase their scientific and environmental literacy and examine the interrelationships between science, the environment, and society in a variety of areas. Students interested in writing the Advanced Placement Exam - Environmental Science- should select this course option.
Prerequisite: Grade 10 Science, Applied or Academic

Grade 11, Physics (University) SPH3U1
Video. This course develops students' understanding of the basic concepts of physics. Students will explore kinematics, with an emphasis on linear motion; different kinds of forces; energy transformations; the properties of mechanical waves and sound; and electricity and magnetism. They will enhance their scientific investigation skills as they test laws of physics. In addition, they will analyse the interrelationships between physics and technology, and consider the impact of technological applications of physics on society and the environment.
Prerequisite: Science, Grade 10, Academic or Gifted

Grade 11, Physics **Advanced Placement (AP) Physics 1 (University) SPH3UP**


Advanced Placement® Course. This course delivers the Ontario Curriculum and layers additional Advanced Placement content into learning modules. Students interested in writing the Advanced Placement Exam - AP Physics 1 - should select this course option. *Please note - students selecting AP need to have successfully completed MPM2D and SNC2D.*
Prerequisite: Science, Grade 10, Academic; Mathematics, Grade 10, Academic

Grade 12

Grade 12, Biology (University) SBI4U1
Video. 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. Students may have an opportunity to experience specimen dissection.
Prerequisite: Biology, Grade 11 University Preparation. Recommended Chemistry, Grade 11 University Preparation

Grade 12, Biology **Advanced Placement (AP) (University) SBI4UP**


Advanced Placement® Course. This course delivers the Ontario Curriculum Grade 12 Biology and layers additional Advanced Placement content into learning modules. Students who are interested in writing the Advanced Placement Biology Exam should select this course option. Please note - students selecting AP need to have completed SCH 3U first as this curriculum is required to understand the AP content of SBI4UP.
Prerequisite: Biology, Grade 11 University Preparation, Chemistry, Grade 11 University Preparation

Grade 12, Chemistry (University) SCH4U1
Video. 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

Grade 12, Chemistry ****Advanced Placement (AP)**** **(University)** **SCH4UP**

Advanced Placement® Course. Students enrolled in this course will learn all the material covered in the SCH4U course, but with added resources to help them be successful on the AP Chemistry exam. This course provides students with a university-level foundation to support future advanced coursework in chemistry. Topics specifically covered by this course include:

- Kinetics; Thermochemistry; Equilibrium; Acids and Bases

Prerequisite: Chemistry, Grade 11, University Preparation *It is strongly recommended that students choose to take the Grade 11 Chemistry AP Preparation course - SCH3UP - as well, in order to cover all topics required for the AP exam.*

Grade 12, Chemistry **(College)** **SCH4C1**

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

NOTE: Grade 12 College Sciences can be taken in the Grade 11 year. It is also offered as an online course.

Grade 12, Physics **(University)** **SPH4U1**

Video. This course enables students to deepen their understanding of physics concepts and theories. Students will continue their exploration of energy transformations and the forces that affect motion, and will investigate electrical, gravitational, and magnetic fields and electromagnetic radiation. Students will also explore the wave nature of light, quantum mechanics, and special relativity. They will further develop their scientific investigation skills, learning, for example, how to analyse, qualitatively and quantitatively, data relating to a variety of physics concepts and principles. Students will also consider the impact of technological applications of physics on society and the environment.

Prerequisite: Physics, Grade 11, University Preparation

Grade 12, Physics **(College)** **SPH4C1**

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

Prerequisite: Science, Grade 10, Academic or Applied

NOTE: Grade 12 College Sciences can be taken in the Grade 11 year. It is also offered as an online course.

SOCIAL SCIENCES AND HUMANITIES

Grade 9

Grade 9, Food and Nutrition (Open) HFN1O1
This course focuses on guidelines for making nutritious food choices. Students will investigate factors that influence food choices, including beliefs, attitudes, current trends, traditional eating patterns, food marketing strategies, and individual needs. Students will also explore the environmental impact of a variety of food choices at the local and global level. The course provides students with opportunities to develop food preparation skills and introduces them to the use of social science research methods in the area of food and nutrition.

Grade 10

Grade 10, Food and Nutrition (Open) HFN2O1
This course offers the same curriculum as the Grade 9 Food and Nutrition credit - HFN1O1. Please see the description above. This is a course option for students in Grade 10 who did not select HFN1O1 in their grade 9 year.

Grade 11

Grade 11, Understanding Fashion (College) HNC3C1
This course introduces students to the world of fashion. Students will gain an understanding of theories related to fashion trends and of how culture, media, fashion cycles, retailing, and social and environmental factors influence fashion trends and consumer behaviour. Students will use various tools, technologies, and techniques safely and correctly to create fashion items. They will apply knowledge of fibres, fabrics, and the elements and principles of design when creating and assessing fashion-related products. Students will develop research skills as they investigate topics related to fashion.
Prerequisite: None

Grade 11,
Introduction to Anthropology, Psychology, and Sociology (University) HSP3U1
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: Canadian History Since World War I, Grade 10, Academic or Gifted or English, Grade 10, Academic or Gifted

Grade 12

Grade 12, Challenge and Change in Society (University/College) HSB4U1
This course focuses on the use of social science theories, perspectives, and methodologies to investigate and explain shifts in knowledge, attitudes, beliefs, and behaviour and their impact on society. Students will critically analyse how and why cultural, social, and behavioural patterns change over time. They will explore the ideas of social theorists and use those ideas to analyse causes of and responses to challenges such as technological change, deviance, and global

inequalities. Students will explore ways in which social science research methods can be used to study social change.
Prerequisite: Any university or university/college preparation course in Canadian and World Studies, English, or Social Sciences and Humanities

Grade 12, Nutrition and Health (University) HFA4U1
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 or university/college preparation course in social sciences and humanities, English, or Canadian and world studies.

Grade 12, Nutrition and Health (College) HFA4C1
This course focuses on the relationship between nutrition and health at different stages of life and on global issues related to food production. 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 social 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.

Grade 12, Families in Canada (University) HHS4U1
This course enables students to draw on sociological, psychological, and anthropological theories and research to analyse the development of individuals, intimate relationships,and family and parent-child relationships. Students will focus on issues and challenges facing individuals and families in Canada's diverse society. They will develop analytical tools that enable them to assess various factors affecting families and to consider policies and practices intended to support families in Canada. They will develop the investigative skills required to conduct and communicate the results of research on individuals, intimate relationships, and parent-child relationships.
Prerequisite: Any university or university/college preparation course in social sciences and humanities, English, or Canadian and world studies.

Grade 12, Families in Canada (College) HHS4C1
This course enables students to develop an understanding of social science theories as they apply to individual development, the development of intimate relationships, and family and parent-child relationships. Students will explore a range of issues relating to the development of individuals and families in contemporary Canadian society as well as in other cultures and historical periods. They will develop the investigative skills required to conduct research on individuals, intimate relationships, and parent-child roles and relationships in Canada.
Prerequisite: Any university, college or university/college preparation course in social sciences and humanities, English, or Canadian and world studies.

Grade 12, World of Fashion (College/University) HNB4M1
This course gives students the opportunity to explore the world of fashion. Students will learn how to create a fashion product using various tools, techniques, and technologies while developing their practical skills. Students will learn about various factors that affect the global fashion industry, the needs of specialized markets, and the impact of fibre and fabric production and care. In addition, they will learn about social and historical influences on fashion. Students will apply research skills when investigating aspects of the fashion world.
Prerequisite: Any university, college or university/college preparation course in social sciences and humanities, English, or Canadian and world studies.

TECHNOLOGICAL EDUCATION

Grade 9

Grade 9, Technology & the Skilled Trades (Open) TAS1O1
This hands-on course enables students to further explore the engineering design process and develop other technological knowledge and skills introduced in earlier grades. Students will design and safely create prototypes, products, and/or services, working with tools and technologies from various industries. As students develop their projects to address real-life problems, they will apply technological concepts such as precision measurement, as well as health and safety standards. Students will begin to explore job skills programs and education and training pathways, including skilled trades, that can lead to a variety of careers.

Grade 10

Grade 10, Computer Technology (Open) TEJ2O1
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 and write computer programs to control simple peripheral devices or robots. Students will also develop an awareness of environmental and societal issues related to the use of computers, and learn about secondary and postsecondary pathways to careers in computer technology.

Grade 10, Communications Technology (Open) TGJ2O1
This course introduces students to communications technology from a media perspective. Students will work in the areas of TV/video and movie 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 communications technology and explore secondary and postsecondary education and training pathways and career opportunities in the various communications technology fields.

Grade 10, Construction Technology (Open) TCJ2O1
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; and 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.

Grade 10,Manufacturing Technology (Open) TMJ2O1
This course introduces students to the manufacturing industry by giving them an opportunity to design and fabricate products using a variety of processes, tools, and equipment. Students will learn about technical drawing, properties and preparation of materials, and manufacturing techniques. Student projects may include a robotic challenge, a design challenge, or a fabrication project involving processes such as machining, welding, vacuum forming, or injection moulding. Students will develop an awareness of environmental and societal issues related to manufacturing and will learn about secondary and postsecondary pathways leading to careers in the industry.

Grade 10, Technology and the Skilled Trades (Open) TAS2O1
This hands-on course enables students to apply the engineering design process and other technological knowledge and skills introduced in earlier grades. Students will design and safely create prototypes, products, and/or services, working with tools and resources from various industries. As students develop their projects to address real-life problems, they will apply technological concepts such as quality control, and health and safety standards. Students explore opportunities for job skills programs and education and training pathways, including skilled trades, that can lead to a variety of careers.

Grade 11

Grade 11, Construction Technology (College) TCJ3C1
This course enables students to develop technical knowledge and skills related to carpentry, masonry, electrical systems, heating and cooling, and plumbing for residential construction. Students will gain hands-on experience using a variety of materials, processes, tools, and equipment to design, lay out, and build projects. They will create and read technical drawings, learn construction terminology, interpret building codes and regulations, and apply mathematical skills as they develop construction projects. Students will also develop an awareness of environmental and societal issues related to construction technology, and explore postsecondary and career opportunities in the field.
Prerequisite: None

Technological Design

Grade 11, Technological Design (University/College) TDJ3M1
This course examines how technological design is influenced by human, environmental, financial, and material requirements and resources. Students will research, design, build, and assess solutions that meet specific human needs, using working drawings and other communication methods to present their design ideas. They will develop an awareness of environmental, societal, and cultural issues related to technological design, and will explore career opportunities in the field, as well as the college and/or university program requirements for them.
Prerequisite: None

Grade 11, Computer Engineering Technology (University/College) TEJ3M1
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 networks, 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

Communications Technology

Grade 11, Communications Technology (University/College) TGJ3M1
This course examines communications technology from a media perspective. Students will develop knowledge and skills as they design and produce media projects in the areas of live, recorded, and graphic communications. These areas may include TV, video, and movie production; radio and audio production; print and graphic communications; photography; digital imaging; broadcast journalism; and interactive new media. Students will also develop an awareness of related environmental and societal issues and explore college and university programs and career opportunities in the various communications technology fields.
Prerequisite: None Recommended: Grade 10, Communications Technology

Grade 12

Construction Technology

Grade 12, Construction Technology (College) TCJ4C1
This course is a 1 credit course that focuses on advanced residential construction, more complex construction systems, and the introduction of heavy construction related to commercial, industrial, and/or recreational construction. Students will learn about the tools, materials, equipment, and methods used in the light and heavy construction industries. They will also study structural analysis and design, presentation and working drawings, and auxiliary systems. They will also estimate materials and labour costs, study industry standards and building codes, consider health and safety issues as well as explore energy conservation, careers, and the impact of construction technology on society and the environment.
Prerequisite: Construction Technology, Grade 11, College Preparation

Technological Design

Grade 12, Technological Design (University/College) TDJ4M1
This course introduces students to the fundamentals of design advocacy and marketing, while building on their design skills and their knowledge of professional design practices. Students will apply a systematic design process to research, design, build, and assess solutions that meet specific human needs, using illustrations, presentation drawings, and other communication methods to present their designs. Students will enhance their problem solving and communication skills, and explore career opportunities and the postsecondary education and training requirements for them.
Prerequisite: Technological Design, Grade 11, University/College Preparation

Grade 12, Computer Engineering Technology (University/College) TEJ4M1
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

Grade 12, Computer Engineering Technology - Robotics
(University/College) TER4M1
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. ***The emphasis of this course will be on exploring the field of Robotics.*** Students will examine environmental and societal issues related to the use of computers, and explore postsecondary pathways leading to careers in robotics and related fields.
Prerequisite: Computer Engineering Technology, Grade 11, University/College Preparation

Grade 12, Communications Technology (University/College) TGJ4M1
This course enables students to further develop media knowledge and skills while designing and producing projects in the areas of live, recorded, and graphic communications. Students may work in the areas of TV, video, and movie production; radio and audio production; print and graphic communications; photography; digital imaging; broadcast journalism; and interactive new media. Students will also expand their awareness of environmental and societal issues related to communications technology and will investigate career opportunities and challenges in a rapidly changing technological environment.
Prerequisite: Communications Technology, Grade 11, University/College Preparation

AP Advanced Placement

Advanced Placement Courses and Examinations align with Oakville Trafalgar High School's *tradition of excellence since 1908.*

The College Board, a not-for-profit membership association whose mission is to connect students to university success and opportunity, started the **Advanced Placement Program** in 1955. The Advanced Placement Program (AP) enables students to pursue university-level studies while in high school. AP is the most widespread university preparation program in the world recognized by universities in Canada, the United States, the United Kingdom and in over 60 countries around the world.

Oakville Trafalgar High School provides our students with the opportunity to challenge Advanced Placement courses and exams. Benefits of challenging AP courses and/or exams are included in this document.

What are AP Courses® at Oakville Trafalgar High School?

AP courses are university-level courses offered in high school and reflect what is taught in introductory university courses. Students taking an AP course will cover and be evaluated on the Ontario curriculum. The additional layer of AP material will foster a rigorous, high paced environment tailored to engage our high achieving and critical thinking student population. Here are resources to enhance AP understanding. AP courses offered at Oakville Trafalgar if course enrollment requests are sufficient in 2026/27 are:

Grade 12 Courses

- AP® Economics (Macro. & Micro. Exams)
- AP® Calculus AB (must take MHF 4U in the same year)
- AP® Chemistry
- AP® Biology
- AP® Computer Science A

Grade 11 Courses

- AP® US History
- AP® Physics (Physics 1 Exam)
- AP® Environmental Science

Grade 11 AP Preparation

- French FSF 3U1 - preparation for AP French Language & Culture Exam
- Chemistry SCH 3U1 - preparation for the AP Chemistry Exam

Grade 10 Course

- AP® Business with Personal Finance

Oakville Trafalgar is expanding AP course offerings in 2027/2028

Grade 12 Courses

- **AP® French Language & Culture**

Review for additional AP courses and preparation for 2027/28 is underway.*

At the end of the AP course, students may take the AP exam – a standardized exam delivered in May that measures how well students have mastered the university – level course work. If a student scores 4 or 5 on the exam, most universities in Canada and the United States will grant credit, advanced placement, or both.

Students may self-select to enrol in one or more AP courses during the regular course selection process. Pre-requisite courses will need to be completed before a student can enter an AP course. ie. For SBI 4UP (AP) students must complete SBI 3U1 first.

What are AP Exams® at Oakville Trafalgar High School

There are currently close to 30 AP exams that ***ANY*** OT student can challenge in May at Oakville Trafalgar. Students may challenge any of the offered AP exams *without* taking an AP course at OT.

Students in grade 9 and 10 have successfully written AP exams but we would typically recommend writing the exams in grades 11 and 12.

AP Exams are written in the following subjects (subject to change)

Art History	*Biology	*Calculus AB	Calculus BC
*Chemistry	**Chinese Language & Culture	*Computer Science A	English Language & Composition
English Literature & Composition	*Environmental Science	European History	**French Language & Culture
African American Studies	Government & Politics Comparative	Government & Politics: US	Human Geography
*Macro-economics	*Micro-economics	Music Theory	*Physics 1 or 2:Algebra Based
Physics C: Electricity & Magnetism	Psychology	PreCalculus	Statistics
*United States History	World History	Physics C: Mechanics	*Computer Science Principles

*AP Course offered in OTHS Catalogue
**Limited exam seats

What are the benefits of AP courses and/or exams?

- Students experience additional preparation for the rigours of post-secondary education which may result in higher levels of post-secondary success as they have pre-learned the material.
- Advanced Placement offers an opportunity for students to showcase their academic curiosity to post secondary institutions through their enrollment in courses and/or scores on AP exams.
- Students who do well on AP Exams can earn credit and/or placement into advanced courses in University thus saving tuition fees and time.
- An AP course offers the opportunity to explore advanced topics and develop advanced skills – study in greater depth and form disciplined study habits.
- Students may achieve AP scholar awards and recognition by challenging multiple AP exams. Please refer to the link for AP award criteria.
  https://apcentral.collegeboard.org/scores/awards/scholar-awards

AP information can be accessed at
https://parents.collegeboard.org/college-board-programs/advanced-placement-program

Halton District School Board

Elearning Catalogue of Courses

What does eLearning look like in the HDSB?

HDSB eLearning is a Regional program that students register through myBlueprint or through Student Services at their homeschool. The HDSB eLearning program offers asynchronous, fully online classes. Teachers, students and lesson resources are accessible for the duration of their eLearning courses.

Here is what eLearning has to offer you:

- earn the same secondary school credits in a different manner
- develop 21st century eLearning skills
- learn at flexible times and places
- access courses that may not be offered in your secondary school
- Prepare students for post-secondary
- continue to earn secondary school credits even if you are physically absent from your school for extended periods of time