



CHISHOLM ACADEMY

COURSES OFFERED AT CHISHOLM

2018-2019 COURSE CALENDAR: GRADES 9 - 12

Course Titles	Grade 9	Grade 10	Grade 11	Grade 12
ARTS				
Drama	ADA10	ADA20		
Drama (University/College)			ADA3M	ADA4M
Guitar, Music			AMG30	
Media Arts			ASM30	
Media Arts (University/College)			ASM3M	
Visual Arts		AVI20	AVI30	
Visual Arts (University/College)			AVI3M	AVI4M

Course Titles	Grade 9	Grade 10	Grade 11	Grade 12
BUSINESS				
Business Leadership: Management Fundamentals				BOH4M
Financial Accounting Fundamentals (Workplace)			BAI3E	
Information and Communication Technology in Business		BTT20		
Marketing: Goods, Services, and Events (College)			BMI3C	
International Business, <i>Grade 12</i> (University/College Preparation)				BBB4M

Course Titles	Grade 9	Grade 10	Grade 11	Grade 12
CANADIAN & WORLD STUDIES				
Issues in Canadian Geography (Academic)	CGC1D			
Issues in Canadian Geography (Applied)	CGC1P			
Living in a Sustainable World (Workplace)				CGR4E
The Environment and Resource Management (University/College)				CGR4M
Canadian History since World War I (Academic)		CHC2D		
Canadian History since World War I (Applied)		CHC2P		
Canadian History since World War I (Locally developed)		CHC2L(I)		
Civics and Citizenship (half credit taken with a half Careers)		CHV20		
World History since the Fifteenth Century (College)				CHY4C
World History since the Fifteenth Century (University)				CHY4U
Understanding Law (University/College)			CLU3M	
Legal Studies (College)				CLN4C

Canadian and International Law (University)				CLN4U
Understanding Canadian Law in Everyday Life (Workplace preparation)			CLU3E	

Course Titles	Grade 9	Grade 10	Grade 11	Grade 12
COMPUTER STUDIES				
Introduction to Computer Studies		ICS2O		
Introduction to Computer Science (University)			ICS3U	
Computer Science (University)				ICS4U
Introduction to Computer Programming (College)			ICS3C	
Computer Programming(College)				ICS4C

Course Titles	Grade 9	Grade 10	Grade 11	Grade 12
CO-OPERATIVE EDUCATION				
COOPERATIVE Education (2 Credits)			GWL3O	GWL3O

Course Titles	Grade 9	Grade 10	Grade 11	Grade 12
ENGLISH				
English (Academic)	ENG1D	ENG2D		
English (Applied)	ENG1P	ENG2P		
English (Locally Developed)	ENG1L	ENG2L(I)		
English (College)			ENG3C	ENG4C
English (University)			ENG3U	ENG4U
English (Workplace)			ENG3E(i)	ENG4E(I)
Literacy Course				OLC4O
Literacy Skills: Reading and Writing		ELS2O(I)		
Media Studies			EMS3O	

Course Titles	Grade 9	Grade 10	Grade 11	Grade 12
GUIDANCE & CAREER EDUCATION & SPECIAL EDUCATION				
Career Studies (half Credit taken with Civics)		GLC2O		
Designing your Future			GWL3O	
Learning Strategies: Skills for Success In Secondary School	GLS1O			

Course Titles	Grade 9	Grade 10	Grade 11	Grade 12
HEALTH AND PHYSICAL EDUCATION				
Health Active Living Education	PPL1O	PPL2O	PPL3O	
Recreation and Healthy Active Living Leadership				PLF4M

Course Titles	Grade 9	Grade 10	Grade 11	Grade 12
MATHEMATICS				
Principles of Mathematics (Academic)	MPM1D	MPM2D		
Foundations of Mathematics (Applied)	MFM1P	MFM2P		
Mathematics (Locally Developed)	MAT1L(I)	MAT2L(I)		
Functions (University)			MCR3U	
Functions and Applications (University/College)			MCF3M	
Foundations for College Mathematics (College)			MBF3C	MAP4C
Mathematics for College Technology (College)				MCT4C(I)
Mathematics for Work and Everyday Life (Workplace)			MEL3E(I)	MEL4E(I)
Advance Functions (University)(Individual)				MHF4U(I)
Calculus and Vectors (University)(Individual)				MCV4U(I)
Mathematics of Data Management (University)				MDM4U(I)

Course Titles	Grade 9	Grade 10	Grade 11	Grade 12
SCIENCE				
Science (Academic)	SNC1D	SNC2D		
Science (Applied)	SNC1P	SNC2P		
Science (Locally Developed or Workplace)	SNC1L(I)	SNC2L(I)		SNC4E(I)
Biology (College)			SBI3C	
Biology (University)			SBI3U	SBI4U(I)
Chemistry (College)				SCH4C
Chemistry (University)			SCH3U(I)	SCH4U(I)
Physics (College)				SPH4C
Physics (University)			SPH3U	SPH4U(I)

Course Titles	Grade 9	Grade 10	Grade 11	Grade 12
SOCIAL SCIENCE AND THE HUMANITIES				
Dynamics of Human Relationships (Open)			HHD30	
Nutrition and Health (College)				HFA4C
Nutrition and Health (University)				HFA4U
World Cultures (University/College)				HSC4M

Course Titles	Grade 9	Grade 10	Grade 11	Grade 12
TECHNOLOGICAL EDUCATION				
Communications Technology (University/College)			TGJ3M	TGJ4M
Computer Engineering		TEJ20	TEJ3M	TEJ4M
Computer Technology	TEJ10		TEJ3E	TEJ4E
Communications Technology			TGJ3E	TGJ4E

THE ARTS

DRAMA

ADA10 Drama, Grade 9, (Open)

This course provides opportunities for students to explore dramatic forms and techniques, using material from a wide range of sources and cultures. Students will use the elements of drama to examine situations and issues that are relevant to their lives. Students will create, perform, discuss, and analyze drama, and then reflect on the experiences to develop an understanding of themselves, the art form, and the world around them.

ADA20 Drama, Grade 10, (Open)

This course provides opportunities for students to explore dramatic forms, conventions, and techniques. Students will explore a variety of dramatic sources from various cultures and representing a range of genres. Students will use the elements of drama in creating and communicating through dramatic works. Students will assume responsibility for decisions made in the creative and collaborative processes and will reflect on their experiences.

Prerequisite: None

ADV3M/4M Drama – Film/Video, Grade 11 or 12, (University/College Preparation)

This course requires students to create and perform in dramatic presentations. Students will analyze, interpret, and perform dramatic works. Students will research various acting styles and conventions focusing on Film/Video. Students will learn acting for the camera, screenwriting, scene structures, acting styles, genres of film and how to integrate technology into their products.

Prerequisite: None

[Back to CALENDAR](#)

ADA3M Drama, Grade 11, (University/College Preparation)

This course requires students to create and perform in dramatic presentations. Students will analyze, interpret, and perform dramatic works from various cultures and time periods. Students will research various acting styles and conventions that could be used in their presentations, and analyze the functions of playwrights, directors, actors, designers, technicians, and audiences.

Prerequisite: Drama, Grade 9 or 10, Open

ADA4M Drama, Grade 12, (University/College Preparation)

This course requires students to experiment individually and collaboratively with forms and conventions of both drama and theatre from various cultures and time periods. Students will interpret dramatic literature and other text and media sources while learning about various theories of directing and acting. Students will examine the significance of dramatic arts in various cultures, and will analyze how the knowledge and skills developed in drama are related to their personal skills, social awareness, and goals beyond secondary school.

Prerequisite: Drama, Grade 11, University/College Preparation

MEDIA ARTS

ASM30 Media Arts, Grade 11, (Open)

This course enables students to create media art works using available and emerging technologies such as computer animation, digital imaging, video, and a variety of media. Students will explore the elements and principles of media arts, the connections between contemporary media art works and traditional art forms, and the importance of using responsible practices when engaged in the creative process. Students will develop the skills necessary to create and interpret media art works.

Prerequisite: None

[Back to CALENDAR](#)

ASM3M Media Arts, Grade 11 (University/College Preparation)

This course focuses on the development of media arts skills through the production of art works involving traditional and emerging technologies, tools, and techniques such as new media, computer animation, and web environments. Students will explore the evolution of media arts as an extension of traditional art forms, use the creative process to produce effective media art works, and critically analyze the unique characteristics of this art form. Students will examine the role of media artists in shaping audience perceptions of identity, culture, and values.

Prerequisite: Media Arts, Grade 10, Open 26

[Back to CALENDAR](#)

MUSIC

AMG3O Music (Guitar), Grade 11, (Open)

This course develops guitar techniques and the rudiments of music. Students learn to read music, to play chords, and to develop techniques that can be used in playing classical and popular music.

Prerequisite: None

VISUAL ARTS

AVI2O Visual Arts, Grade 10, (Open)

This course enables students to develop their skills in producing and presenting art by introducing them to new ideas, materials, and processes for artistic exploration and experimentation. Students will apply the elements and principles of design when exploring the creative process. Students will use the critical analysis process to reflect on and interpret art within a personal, contemporary, and historical context.

Prerequisite: None 28

AVI3O Visual Arts, Grade 11, (Open)

This course focuses on studio activities in the visual arts, such as drawing, painting, sculpture, photography, printmaking, collage, and/or multimedia art. Students will use the creative process to create art works that reflect a wide range of subjects and will evaluate works using the critical analysis process. Students will also explore works of art within a personal, contemporary, historical, and cultural context.

Prerequisite: None

AVI3M Visual Arts, Grade 11, (University/College Preparation)

This course enables students to further develop their knowledge and skills in visual arts. Students will use the creative process to explore a wide range of themes through studio work that may include drawing, painting, sculpting, and printmaking, as well as the creation of collage, multimedia works, and works using emergent technologies. Students will use the critical analysis process when evaluating their own work and the work of others. The course may be delivered as a comprehensive program or through a program focused on a particular art form (e.g. photography, video, computer graphics, and information design).

Prerequisite: Visual Arts, Grade 9 or 10, Open

[Back to CALENDAR](#)

AVI4M Visual Arts, Grade 12, (University/ College Preparation)

This course focuses on enabling students to refine their use of the creative process when creating and presenting two- and three-dimensional art works using a variety of traditional and emerging media and technologies. Students will use the critical analysis process to deconstruct art works and explore connections between art and society. The studio program enables students to explore a range of materials, processes, and techniques that can be applied in their own art production. Students will also make connections between various works of art in personal, contemporary, historical, and cultural contexts.

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

BUSINESS STUDIES

BUSINESS

BMI3C Marketing: Goods, Services, Events Grade 11 (College)

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

BAI3E Accounting Essentials, Grade 11, (Workplace Preparation)

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

Prerequisite: None

BOH4M Business Leadership: Management Fundamentals, Grade 12, (University/College Preparation)

This course focuses on ways in which organizations deal with issues affecting their competitiveness in a changing technological and global business environment. Students will analyze various leadership techniques and study various issues such as ethics in business, social responsibility, management of group dynamics, uses of information technology, workplace stress and conflict, motivation of employees, and globalization. Students will also investigate the management of a diverse workforce within an organization and the importance of strategic planning.

Prerequisite: None

[Back to CALENDAR](#)

BBB4M International Business, Grade 12 (University/College Preparation)

BBB4MV International Business, Grade 12 (University/College Preparation, eLearning)

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

[Back to CALENDAR](#)

BTTO Information and Communication Technology in Business, Open

This course introduces students to information and communication technology in a business environment and builds a foundation of digital literacy skills necessary for success in a technologically driven society. Students will develop word processing, spreadsheet, database, desktop publishing, presentation software, and website design skills. Throughout the course, there is an emphasis on digital literacy, effective electronic research and communication skills, and current issues related to the impact of information and communication technology.

[Back to CALENDAR](#)

CANADIAN WORLD STUDIES

GEOGRAPHY

CGC1D Grade 9 (Academic)

This course uses a variety of frameworks, including ecozones and principles of physical, human and economic geography, to explore the distinct and evolving character of Canada's geography. Students will investigate the interconnections between the environment and human activities in Canadian ecozones in order to understand Canada's diversity and role in the world.

[Back to CALENDAR](#)

CGC1P Issues in Canadian Geography, Grade 9 (Applied)

This course focuses on current geographic issues that affect Canadians. Students will draw on their personal and everyday experiences as they explore a range of issues, including food and water supplies, competing land uses, and interactions with the natural environment, developing their awareness that issues that affect their lives are interconnected with issues in other parts of the world. Students will apply the concepts of geographic thinking and the geographic inquiry process, including spatial technologies, to investigate choices related to sustainable living in Canada.

CGR4E Living in a Sustainable World (Workplace Preparation)

This course examines the impact of human activity on the natural environment. Students will explore the use of natural spaces and resources and the effects of planning decisions and consumer choices on natural systems. Students will apply the concepts of geographic thinking and the geographic inquiry process, including spatial technologies, to investigate practical solutions to environmental issues, enabling them to make more sustainable decisions at home, in the workplace, and in the local community.

Prerequisite: Issues in Canadian Geography, Grade 9, Academic or Applied

CGR4M The Environment and Resource Management (University/college Preparation)

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

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

[Back to CALENDAR](#)

HISTORY

CHC2D History since World War I, Grade 10 (Academic)

This course explores social, economic, and political developments and events and their impact on the lives of different groups in Canada since 1914. Students will examine the role of conflict and cooperation in Canadian society, Canada's evolving role within the global community, and the impact of various individuals, organizations, and events on Canadian identity, citizenship, and heritage. They will develop their ability to apply the concepts of historical thinking and the historical inquiry process, including the interpretation and analysis of evidence, when investigating key issues and events in Canadian history since 1914.

Prerequisite: None

CHC2P History since World War I, Grade 10 (Applied)

This course focuses on the social context of historical developments and events and how they have affected the lives of people in Canada since 1914. Students will explore interactions between various communities in Canada as well as contributions of individuals and groups to Canadian heritage and identity. Students will develop their ability to apply the concepts of historical thinking and the historical inquiry process, including the interpretation and analysis of evidence, when investigating the continuing relevance of historical developments and how they have helped shape communities in present-day Canada.

Prerequisite: None

CHC2L History since World War I, Grade 10 (Locally Developed)

This course connects students with key people, events, and themes in Canadian history from World War I to the present. Students extend their analytical, communication, and mathematical literacy skills by making connections between the past and their lives. This course prepares students for grades 11 and 12 Workplace Preparation history courses.

Prerequisite: None

CHV2O Civics & Citizenship, Grade 10 (Open) (.5 Credit)

This course explores rights and responsibilities associated with being an active citizen in a democratic society. Students will explore issues of civic importance such as healthy schools, community planning, environmental responsibility, and the influence of social media, while developing their understanding of the role of civic engagement and of political processes in the local, national, and/or global community. Students will apply the concepts of political thinking and the political inquiry process to investigate, and express informed opinions about, a range of political issues and developments that are both of significance in today's world and of personal interest to them.

Prerequisite: None

[Back to CALENDAR](#)

CHY4C World History since the Fifteen Century, Grade 12 (College Preparation)

This course explores key developments and events in world history since approximately 1450, with a focus on interactions within and between various regions. Students will examine social, economic, and political developments and how they have affected different peoples. 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 key turning points in world history and historical forces that have shaped our world.

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

CHY4U World History since the Fifteenth Century, Grade 12 (University Preparation)

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 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.

[Back to CALENDAR](#)

LAW

CLN4C Legal Studies (College Preparation)

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

Prerequisite: Civics and Citizenship, Grade 10, Open

CLN4U Canadian and International Law (University Preparation)

This course explores a range of contemporary legal issues and how they are addressed in both Canadian and international law. Students will develop an understanding of the principles of Canadian and international law and of issues related to human rights and freedoms, conflict resolution, and criminal, environmental, and workplace law, both in Canada and internationally. Students will apply the concepts of legal thinking and the legal studies inquiry process, and will develop legal reasoning skills, when investigating these and other issues in both Canadian and international contexts.

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

[Back to CALENDAR](#)

CLU3M Understanding Canadian Law (University/college Preparation)

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

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

CLU3E Understanding Canadian Law in Everyday Life (Workplace Preparation)

This course enables students to develop a practical understanding of laws that affect the everyday lives of people in Canada, including their own lives. Students will gain an understanding of the need for laws, and of their rights, freedoms, and responsibilities under Canadian law. Topics include laws relating to marriage, the workplace, cyberbullying, and criminal offences. Students will begin to develop legal reasoning skills and will apply the concepts of legal thinking and the legal studies inquiry process when investigating legal issues that are relevant to life in Canada today.

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

[Back to CALENDAR](#)

COMPUTER STUDIES

ICS20 Introduction to Computer Studies, Grade 10, Open

This course introduces students to computer programming. Students will plan and write simple computer programs by applying fundamental programming concepts, and learn to create clear and maintainable internal documentation. They will also learn to manage a computer by studying hardware configurations, software selection, operating system functions, networking, and safe computing

practices. Students will also investigate the social impact of computer technologies, and develop an understanding of environmental and ethical issues related to the use of computers.

ICS3U Introduction to Computer Science, Grade 11, University Preparation

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

Prerequisite: None

[Back to CALENDAR](#)

ICS3C Introduction to Computer Programming, Grade 11, College Preparation

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

Prerequisite: None

ICS4U Computer Science, Grade 12, University Preparation

This course enables students to further develop knowledge and skills in computer science. Students will use modular design principles to create complex and fully documented programs, according to industry standards. Student teams will manage a large software development project, from planning through to project review. Students will also analyse algorithms for effectiveness.

They will investigate ethical issues in computing and further explore environmental issues, emerging technologies, areas of research in computer science, and careers in the field.

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

[Back to CALENDAR](#)

ICS4C Computer Programming Grade 12, College Preparation

This course further develops students' computer programming skills. Students will learn object-oriented programming concepts, create object-oriented software solutions, and design graphical user interfaces. Student teams will plan and carry out a software development project using industry-standard programming tools and proper project management techniques. Students will also investigate ethical issues in computing, and expand their understanding of environmental issues, emerging technologies, and computer-related careers.

Prerequisite: Introduction to Computer Programming, Grade 11, College Preparation

COOPERATIVE EDUCATION PROGRAM

GWL30 Cooperative Education (2 credits)

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: None

[Back to CALENDAR](#)

ENGLISH

ENG1D English, Grade 9 (Academic)

This course is designed to develop the oral communication, reading, writing and media literacy skills that students need for success in their secondary school academic programs and in their daily lives. Students will analyze literary texts from contemporary and historical periods, interpret informational and graphic texts, and create oral, written and media texts in a variety of forms. An important focus will be on the use of strategies that contribute to effective communication. The course is intended to prepare students for the grade 10 academic English course, which leads to university or college preparation courses in grades 11 and 12.

ENG1P English, Grade 9 (Applied)

This course is designed to develop the key oral communication, reading, writing and media literacy skills students need for success in secondary school and daily life. Students will read, interpret, and create a variety of informational, literary and graphic texts. An important focus will be on identifying and using appropriate strategies and processes to improve students' comprehension of texts and to help them communicate clearly and effectively.

[Back to CALENDAR](#)

ENG1L English, Grade 9 (LDCC)

This course provides the foundational literacy and communication skills to prepare students for success in their daily lives, in the workplace, and in the grade 10 LDCC Course. Students develop listening, talking, reading, viewing, writing skills in a variety of authentic contexts. This course is designed to help students who had difficulty meeting the expectations of the English language program in grade 7 and 8.

ENG2D English, Grade 10 (Academic)

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 analyze 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.

Prerequisite: English, grade 9, Academic or Applied

ENG2P English, Grade 10 (Applied)

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, Academic or Applied

[Back to CALENDAR](#)

ENG2L English, Grade 10 (Locally Developed)

In this course, students extend their literacy and communication skills to prepare for success in their daily lives, in the workplace, and in the English grade 11 Workplace Preparation course. Students build on their strategies and engage in the processes involved in talking, reading, viewing, writing and thinking in a variety of authentic contexts.

Prerequisite: Any grade 9 English credit

ENG3U English, Grade 11 (University Preparation)

This course emphasizes the development of literacy, communication, and critical and creative thinking skills necessary for success in academic and daily life. Students will analyze challenging literary texts from various periods, countries, and cultures, as well as a range of informational and graphic texts, and create oral, written, and media texts in a variety of forms. An important focus will be on using language with precision and clarity and incorporating stylistic devices appropriately and effectively. The course is intended to prepare students for the compulsory grade 12 university or college preparation course.

Prerequisite: English, grade 10, Academic

ENG3C English, Grade 11 (College Preparation)

This course emphasizes the development of literacy, communication, and critical and creative thinking skills necessary for success in academic and daily life. Students will study the content, form, and style of a variety of informational and graphic texts, as well as literary texts from Canada and other countries, and create oral, written, and media texts in a variety of forms for practical purposes. An important focus will be on using language with precision and clarity. The course is intended to prepare students for the compulsory grade 12 college preparation course.

Prerequisite: English, grade 10, Applied or Academic

[Back to CALENDAR](#)

ENG3E English, Grade 11 (Workplace Preparation)

This course emphasizes the development of literacy, communication, and critical and creative thinking skills necessary for success in the workplace and in daily life. Students will study the content, form, and style of a variety of contemporary informational, graphic, and literary texts; and create oral, written, and media texts in a variety of forms for practical purposes. An important focus will be on using language clearly and accurately in a variety of formal and informal contexts. The course is intended to prepare students for the compulsory grade 12 workplace preparation course.

Prerequisite: English, grade 10, locally developed or Applied

ENG4U English, Grade 12 (University Preparation)

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 analyze 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.

Prerequisite: English, grade 11, University Preparation

ENG4C English, Grade 12 (College Preparation)

This course emphasizes the consolidation of literacy, communication, and critical and creative thinking skills necessary for success in academic and daily life. Students will analyze 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

[Back to CALENDAR](#)

ENG4E English, Grade 12 (Workplace Preparation)

This course emphasizes the consolidation of literacy, communication, and critical and creative thinking skills necessary for success in the workplace and in daily life. Students will analyze informational, graphic, and literary texts and create oral, written, and media texts in a variety of forms for workplace-

related and practical purposes. An important focus will be on using language accurately and organizing ideas and information coherently. The course is intended to prepare students for the workplace and active citizenship.

Prerequisite: English, grade 11, Workplace Preparation, or Ontario Literacy Course

[Back to CALENDAR](#)

OLC40 Ontario Secondary School Literacy Course, Grade 12 (Open)

This course is designed to help students acquire and demonstrate the cross-curricular literacy skills that are evaluated by the Ontario Secondary School Literacy Test (OSSLT). Students who complete the course successfully will meet the provincial literacy requirement for graduation. Students will read a variety of informational, narrative and graphic texts and will produce a variety of forms of writing, including summaries, information paragraphs, opinion pieces, and news reports. Students will also maintain and manage a portfolio containing a record of their reading experiences and samples of their writing.

Eligibility requirement: Students who have been eligible to write the OSSLT and who have been unsuccessful at least once are eligible and encouraged to take the classroom course. Please see guidance to confirm eligibility.

ELS20 Literacy Skills: Reading and Writing, Grade 10, Open

This course is designed to help students strengthen essential reading and writing skills, providing them with the extra literacy support they need in order to graduate. Students will read informational, graphic, and literary texts, with a focus on locating information, identifying main ideas and supporting details, building vocabulary, and consolidating skills in the application of key comprehension strategies. The course will also help students develop core learning strategies.

Prerequisite: English, Grade 9, Academic or Applied, or a Grade 9 English LDCC (locally developed compulsory credit) course

EMS30 Media Studies, Grade 11, Open

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

Prerequisite: English, Grade 10, Academic or Applied

[Back to CALENDAR](#)

GUIDANCE AND CAREER EDUCATION

GLC20 Career Studies, Grade 10, Open

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

GLS10 Learning Strategies 1: Skills for Success in Secondary School, Grade 9, Open

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

Prerequisite: None

HEALTH AND PHYSICAL EDUCATION

PPL10 Healthy Active Living Education (male), Grade 9 (Open)

This course emphasizes students' daily participation in a variety of enjoyable physical activities that promote lifelong healthy active living. Students will learn movement techniques 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.

PPL20 Healthy Active Living Education, Grade 10 (Open)

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.

Prerequisite: None

[Back to CALENDAR](#)

PPL30 Healthy Active Living Education, Grade 11 (Open)

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 practice goal-setting, decision-making, coping, social, and interpersonal skills. Students will also study the components of healthy relationships, reproductive health, mental health, and personal safety.

Prerequisite: None

MATHEMATICS

MPM1D Principles of Mathematics, Grade 9 (Academic)

This course enables students to develop an understanding of mathematical concepts related to algebra, analytic geometry, and measurement and geometry through investigation, the effective use of technology, and abstract reasoning. Students will investigate relationships, which they will then generalize as equations of lines, and will determine the connections between different representations of a linear relation. They will also explore relationships that emerge from the measurement of three-dimensional figures and two-dimensional shapes. Students will reason mathematically and communicate their thinking as they solve multi-step problems.

[Back to CALENDAR](#)

MFM1P Foundation of Mathematics, Grade 9 (Applied)

This course enables students to develop an understanding of mathematical concepts related to introductory algebra, proportional reasoning, and measurement and geometry through investigation, the effective use of technology, and hands-on activities. Students will investigate real-life examples to develop various representations of linear relations, and will determine the connections between the representations. They will also explore certain relationships that emerge from the measurement of three-dimensional figures and two-dimensional shapes.

Students will consolidate their mathematical skills as they solve problems and communicate their thinking.

MAT1L Mathematics, Grade 9 (Locally Developed)

This course emphasizes the development of mathematical knowledge and skills to prepare students for success in their everyday lives, in the workplace, and in the grade 10 LDCC course. Students develop mathematical literacy, problem-solving, and communication skills related to money sense, measurement, and proportional reasoning by completing practical, authentic activities. This course is designed to help students who had difficulty meeting the expectations of the mathematics program in grade 7 and 8.

[Back to CALENDAR](#)

MPM2D Principles of Mathematics, Grade 10 (Academic)

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 relations 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 and communicate their thinking as they solve multistep problems.

Prerequisite: Mathematics, Grade 9, Academic

MFM2P Foundation of Mathematics, Grade 10 (Applied)

This course enables students to consolidate their understanding of linear relations and extend their problem-solving and algebraic skills through investigation, the effective use of technology, and hands-on activities. Students will develop add graph equations in analytic geometry; solve and apply linear systems, using real-life examples; and explore and interpret graphs of quadratic relations.

Students will investigate similar triangles, the trigonometry of right triangles, and the measurement of three-dimensional figures. Students will consolidate their mathematical skills as they solve problems and communicate their thinking.

Prerequisite: Mathematics, Grade 9, Applied

[Back to CALENDAR](#)

MAT2L Mathematics, Grade 10 (Locally Developed)

This course extends students' mathematical knowledge and skills to prepare students for success in their everyday lives, in the workplace, and in the grade 11 Mathematics Workplace Preparation course. Students strengthen their mathematical literacy, problem-solving, and communication skills related to money sense, measurement, and proportional reasoning by completing practical, authentic activities.

Prerequisite: Mathematics, Grade 9, Locally Developed

MCR3U Functions, Grade 11 (University Preparation)

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.

Prerequisite: Mathematics, Grade 10, Academic

[Back to CALENDAR](#)

MCF3M Functions & Applications, Grade 11 (University/College Preparation)

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 modeling 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: Mathematics, Grade 10, Academic or Applied

MBF3C Foundations for College Mathematics, Grade 11 (College Preparation)

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, analyzing, and evaluating data involving one and two variables. Students will consolidate their mathematical skills as they solve problems and communicate their thinking.

Prerequisite: Mathematics, Grade 10, Applied

[Back to CALENDAR](#)

MEL3E Mathematics for Work & Everyday Life, Grade 11 (Workplace Preparation)

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: Mathematics, Grade 10, Locally Developed or Grade 9 Applied or Academic

[Back to CALENDAR](#)

MHF4U Advanced Functions, Grade 12 (University Preparation)

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 before proceeding to any one of the variety of university programs

Prerequisite: Functions, Grade 11 or Mathematics for College Technology, Grade 12

MCV4U Calculus & Vectors, Grade 12, University Preparation

This course builds on student's 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 modeling 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.

Prerequisite: Advanced Functions, Grade 12

[Back to CALENDAR](#)

MDM4U Mathematics of Data Management, Grade 12 (University Preparation)

This course broadens students' understanding of mathematics as it relates to managing information. Students will apply methods for organizing large amounts of information; solve problems involving counting techniques, probability, and statistics; and carry out a culminating project that integrates the expectations of the course. Students will continue to develop the mathematical processes necessary for success in senior mathematics. Students planning to pursue university programs in business, the social sciences, and the humanities will find this course of particular interest.

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

MAP4C Foundations for College Mathematics, Grade 12 (College Preparation)

This course enables students to broaden their understanding of real-world applications of mathematics. Students will analyze data using statistical methods; solve problems involving applications of geometry and trigonometry; apply measurement in designing and constructing physical models; solve financial problems connected with home ownership; 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.

Prerequisites: Foundations for College Mathematics, Functions and Applications (University/College Prep or Functions, (University Preparation), Grade 11

[Back to CALENDAR](#)

MCT4C Mathematics for College Technology, Grade 12 (College Preparation) MCT4CV

Mathematics for College Technology, Grade 12 (College Preparation, eLearning)

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

Prerequisites: Functions and Applications, Grade 11 (University/College Preparation)

MEL4E Mathematics for Everyday Life, Grade 12 (Workplace Preparation)

This course enables students to broaden their understanding of mathematics as it is applied in the workplace and daily life. Students will investigate questions involving the use of statistics; apply the concept of probability to solve problems involving familiar situations; investigate

accommodation costs 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)

[Back to CALENDAR](#)

SCIENCES

SNC1D Science, Grade 9, Academic

This course enables students to develop their understanding of basic concepts in biology, chemistry, earth and space science, and physics, and to relate science to technology, society, and the environment. Throughout the course, students will develop their skills in the processes of scientific investigation. Students will acquire an understanding of scientific theories and conduct investigations related to sustainable ecosystems; atomic and molecular structures and the properties of elements and compounds; the study of the universe and its properties and components; and the principles of electricity.

SNC1P Science, Grade 9, Applied

This course enables students to develop their understanding of basic concepts in biology, chemistry, earth and space science, and physics, and to apply their knowledge of science to everyday situations. They are also given opportunities to develop practical skills related to scientific investigation. Students will plan and conduct investigations into practical problems and issues related to the impact of human activity on ecosystems; the structure and properties of elements and compounds; space exploration and the components of the universe; and static and current electricity.

SNC1L Science, Grade 9 (LDCC)

This course develops science-related knowledge and skills to prepare students for success in everyday life, in the workplace, and in the science grade 11 workplace preparation course. Students explore scientific topics that connect with their lives by engaging in practical science activities. This course is designed to help students who had difficulty meeting the expectations of the mathematics and science programs in grade 7 and 8.

[Back to CALENDAR](#)

SNC2D Science, Grade 10, Academic

This course enables students to enhance their understanding of concepts in biology, chemistry, earth and space science, and physics, and of the interrelationships between science, technology, society, and the environment. Students are also given opportunities to further develop their scientific investigation skills. Students will plan and conduct investigations and develop their understanding of scientific theories related to the connections between cells and systems in animals and plants; chemical reactions, with a particular focus on acid–base reactions; forces that affect climate and climate change; and the interaction of light and matter.

Prerequisite: Science, Grade 9, Academic or Applied

SNC2P Science, Grade 10, Applied

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, Academic or Applied

[Back to CALENDAR](#)

SNC2L Science, Grade 10 (Locally Developed)

This course strengthens science-related knowledge and skills to prepared students for success in everyday life, in the workplace, and in the Science grade 11 Workplace Preparation course. Students explore science in the media, interactions of common materials, organisms in communities and electrical energy through practical science activities.

Prerequisite: Science, Grade 9, Locally Developed

SNC4E Science, Grade 12 (Workplace Preparation)

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

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

BIOLOGY

SBI3U Biology, Grade 11, University Preparation

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

SBI3C Biology, Grade 11, College Preparation

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.

Prerequisite: Science, Grade 10, Academic or Applied

[Back to CALENDAR](#)

SBI4U Biology, Grade 12, University Preparation

This course provides students with the opportunity for in-depth study of the concepts and processes that occur in biological systems. Students will study theory and conduct investigations in the areas of biochemistry, metabolic processes, molecular genetics, homeostasis, and population dynamics. Emphasis will be placed on the achievement of detailed knowledge and the refinement of skills needed for further study in various branches of the life sciences and related fields.

Prerequisite: Biology, Grade 11, University Preparation

CHEMISTRY

SCH3U Chemistry, Grade 11, University Preparation

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

Prerequisite: Science, Grade 10, Academic

[Back to CALENDAR](#)

SCH4U Chemistry, Grade 12, University Preparation

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

Prerequisite: Chemistry, Grade 11, University Preparation

SCH4C Chemistry, Grade 12, College Preparation

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

[Back to CALENDAR](#)

PHYSICS

SPH3U Physics, Grade 11, University Preparation

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

[Back to CALENDAR](#)

SPH4U Physics, Grade 12, University Preparation

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

SPH4C Physics, Grade 12, College Preparation

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

Prerequisite: Science, Grade 10, Academic or Applied

[Back to CALENDAR](#)

SOCIAL SCIENCE AND HUMANITIES

HHD30 Dynamics of Human Relationships

This course focuses on helping students understand the individual and group factors that contribute to healthy relationships. Students will examine the connections between their own self-concept and their interpersonal relationships. They will learn and practise strategies for developing and maintaining healthy relationships with friends, family, and community members, as well as with partners in intimate relationships. Students will use research and inquiry skills to investigate topics related to healthy relationships.

Prerequisite: None

HFA4C Nutrition and Health, Grade 12 (College Preparation)

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.

[Back to CALENDAR](#)

HFA4U Nutrition and Health, Grade 12 (University Preparation)

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.

HSC4M World Cultures, Grade 12 (University/College Preparation)

This course examines the nature of culture; how cultural identities are acquired, maintained, and transformed; and theories used to analyse cultures. Students will explore world cultures, with an emphasis on the analysis of religious and spiritual beliefs, art forms, and philosophy.

They will study the contributions and influence of a range of cultural groups and will critically analyse issues facing ethno cultural groups within Canada and around the world. Students will develop and apply research skills and will design and implement a social action initiative relating to cultural diversity.

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

[Back to CALENDAR](#)

TECHNOLOGICAL EDUCATION

TGJ3M Communications Technology, Grade 11, University/College Preparation

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

TGJ4M Communications Technology, Grade 12, University/College Preparation

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 investigate career opportunities and challenges in a rapidly changing technological environment.

Prerequisite: Communications Technology, Grade 11, University/College Preparation

[Back to CALENDAR](#)

TGJ3E Communications Technology, Grade 11, Workplace Preparation

This course examines communications systems and design and production processes in the areas of electronic, live, recorded, and graphic communications. Students will be given the opportunity to develop and apply practical skills to assemble, repair, operate, maintain, and test various systems. Students will also study industry standards and regulations and health and safety issues, and will explore careers, the importance of lifelong learning, and the impact of communications technology on society and the environment.

Prerequisite: None

TGJ4E Communications Technology, Grade 12, Workplace Preparation

This course examines the key elements in the areas of electronic, live, recorded, or graphic communications systems. Students will develop safe workplace habits and business management skills and use a variety of materials, tools, and equipment to assemble, maintain, operate, and repair communications systems. They will also research the entry requirements for training programs available on graduation, such as apprenticeships, and will develop the employability and technical skills required for entry into the workplace.

Prerequisite: Communications Technology, Grade 11, Workplace Preparation

[Back to CALENDAR](#)

TEJ3M Computer Engineering Technology, Grade 11 University/College Preparation

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 related environmental and societal issues, and will learn about college and university programs leading to careers in computer technology.

Prerequisite: None

TEJ4M Computer Engineering Technology, Grade 12 University/College Preparation

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 related environmental and societal issues, and will explore postsecondary pathways leading to careers in computer technology.

Prerequisite: Computer Engineering Technology, Grade 11, University/College Preparation

[Back to CALENDAR](#)

TEJ3E Computer Technology, Grade 11, Workplace Preparation

This course enables students to develop knowledge and skills related to computer hardware, networks, operating systems, and other software. Students will use utility and application software and learn proper procedures for installing, maintaining, and troubleshooting computer systems and networks. Students will develop an awareness of environmental and societal issues related to the use of computers, and will learn about apprenticeships and other employment opportunities in the field of computer technology that they may choose to pursue after graduation.

Prerequisite: None

TEJ4E Computer Technology, Grade 12, Workplace Preparation

This course enables students to further develop their practical understanding of computer hardware, software, networks, and operating systems. Students will use utility and application software, and will follow proper procedures for installing, maintaining, and troubleshooting computer systems and networks. In addition to demonstrating an understanding of the ethical use and environmental effects of computers, students will develop marketable skills and assess career opportunities in the field.

Prerequisite: Computer Technology, Grade 11, Workplace Preparation

[Back to CALENDAR](#)

TEJ10 Exploring Computer Technology

This exploratory course introduces students to concepts and skills in computer technology, which encompasses computer systems, networking, interfacing, and programming, as well as electronics and robotics. Students will develop an awareness of related environmental and societal issues, and will begin to explore secondary and postsecondary pathways leading to careers in the field

TEJ20 Computer Engineering

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 related environmental and societal issues, and will learn about secondary and postsecondary pathways and career opportunities in computer technology.

Prerequisite: None

[Back to CALENDAR](#)