

**GLENDALE HIGH SCHOOL COURSE  
PLANNING INFORMATION  
2022-2023**

Glendale High School offers a full range of programs to prepare students to move into the world of employment, apprenticeships or post-secondary school options. The following pages outline the courses offered at Glendale.

Students and parents/guardians should review the course offerings and make appropriate selections. Students are encouraged to use the chart below as you plan your course selections for next year and beyond. Students will record course selections using myBlueprint.

Remember to:

- Check all prerequisites for courses.
- Check that you are meeting the diploma requirements for graduation.
- Check that courses you intend to take are scheduled for the year you intend to take them.
- Check for any prerequisite courses needed for post-secondary programs.

Check the information in the colored portion of this guide to determine the compulsory courses you must take each year. Ask your subject teachers and guidance counsellors for more information about specific courses.

**Use the following chart to plan your course selections.**

# of Credits per Year	Grade 9 Credits	Grade 10 Credits	Grade 11 Credits	Grade 12 Credits
1	English ENG1_____	English ENG2_____	English ENG3_____	English ENG4_____
2	Math M_____	Math M_____	Math M_____	
3	Science SNC1_____	Science SNC2_____		
4	Geography CGC1_____	History CHC2_____		
5	French FSF1_____	Civics/Careers CHV2O5 GLC2O5		
6	Physical Education PPL1O_____			
7	Option 1			
8	Option 2			
<b>Band</b>	Y or N	Y or N	Y or N	Y or N

## ARTS - Dance

### **Dance, Grade 10, Open**

**ATC2O1**

This course emphasizes the development of students' techniques and creative skills relating to the elements of dance and the tools of composition in a variety of performance situations. Students will identify responsible personal and interpersonal practices related to dance processes and production, and will apply technologies and techniques throughout the process of creation to develop artistic scope in the dance arts.

**Prerequisite:** None

### **Dance, Grade 11, University/College Preparation**

**ATC3M1**

This course emphasizes the development of students' artistry, improvisational and compositional skills, and technical proficiency in dance genres from around the world. Students will apply dance elements, techniques, and tools in a variety of ways, including performance situations; describe and model responsible practices related to the dance environment; and reflect on how the study of dance affects personal and artistic development.

**Prerequisite:** Dance, Grade 9 or 10, Open (ATC1O1 or ATC2O1)

### **Dance, Grade 12, University/College Preparation**

**ATC4M1**

This course emphasizes the development of students' technical proficiency, fluency in the language of movement in dance genres from around the world, and understanding of dance science. Students will explain the social, cultural, and historical contexts of dance; apply the creative process through the art of dance in a variety of ways; and exhibit an understanding of the purpose and possibilities of continuing engagement in the arts as a lifelong learner.

**Prerequisite:** Dance, Grade 11, University/College Preparation (ATC3M1)

## ARTS - Drama

### **Drama, Grade 10, Open**

**ADA2O1**

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

### **Drama, Grade 11, Open**

**ADA3O1**

This course requires students to engage in dramatic processes and the presentation of dramatic works, and emphasizes the application of drama skills in other contexts and opportunities. Students will interpret and present works in a variety of dramatic forms, create and script original works, and critically analyze the processes involved in producing dramatic works. Students will develop a variety of skills related to collaboration and the presentation of dramatic works.

**Prerequisite:** None

**Drama, Grade 11, University/College Preparation****ADA3M1**

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 (ADA1O1 or ADA2O1)

**Drama, Grade 12, University/College Preparation****ADA4M1**

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 texts 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 (ADA3M1)

**ARTS - Music****Music, Grade 9, Open****AMI1O1**

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.

**Prerequisite:** None

**Music Repertoire, Intermediate Band, Grade 9, Open Part 1****AMR2OB**

This .5 credit course utilizes the study of band repertoire, at an intermediate level, to enrich and expand the experience of the students already enrolled in AMI1O1. Many different techniques, including recording, public performance and clinics will be utilized to develop a more thorough appreciation of their chosen method of musical expression. This is a half credit course that runs outside of the regular school day for the full year.

**Co-requisite:** Music, Grade 9, Open (AMI101)

**Music, Grade 10, Open****AMI2O1**

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.

**Prerequisite:** None

**Note:** AMI1O is highly recommended.

**Music – Guitar, Grade 10, Open****AMG2O1**

This course emphasizes performance of music on guitar at a beginner level with no previous experience required. Through the acquisition of skills on guitar, student learning will include participating in creative activities and listening perceptively. Students will also be required to develop a thorough understanding of the language of music, including the elements, terminology and history.

**Prerequisite:** None

**Music Repertoire, Intermediate Band, Grade 10, Open Part 2****AMR2OC**

This .5 credit course utilizes the study of band repertoire, at an intermediate level, to enrich and expand the experience of the students already enrolled in AMI201. Many different techniques, including recording, public performance and clinics will be utilized to develop a more thorough appreciation of their chosen method of musical expression. This is a half credit course that runs outside of the regular school day for the full year.

**Co-requisite:** Music, Grade 9 or 10, Open (AMI1O1 or AMI2O1)

**Music - Guitar, Grade 11 University/College****AMG3M1**

This course provides students with opportunities to develop their musical literacy through the creation, appreciation, analysis, and performance of music, including traditional, commercial, and art music. Students will apply the creative process when performing appropriate technical exercises and repertoire and will employ the critical analysis processes when reflecting on, responding to, and analyzing live and recorded performances. Students will consider the function of music in society and the impact of music on individuals and communities. They will explore how to apply skills developed in music to their life and careers.

**Prerequisite:** AMG2O1

**Music, Grade 11, University/College Preparation****AMI3M1**

This course provides students with opportunities to develop their musical literacy through the creation, appreciation, analysis, and performance of music, including traditional, commercial, and art music. Students will apply the creative process when performing appropriate technical exercises and repertoire and will employ the critical analysis processes music in society and the impact of music on individuals and communities. They will explore how to apply skills when reflecting on, responding to, and analyzing live and recorded performances. Students will consider the function of developed in music to their life and careers.

**Prerequisite:** Music, Grade 9 or 10, Open (AMI1O1 or AMI2O1)

**Music Repertoire, Senior Band, Grade 11 University/College Part 1****AMR3MB**

This .5 credit course utilizes the study of band repertoire, at an advanced level, to enrich and expand the experience of students enrolled in AMI3M or AMI4M. Many different techniques including recording, public performance and clinics will be experienced to develop a more thorough appreciation of the many roles of music within the Canadian cultural landscape. This is a half credit course that runs outside of the regular school day for the full year. Students will meet twice weekly for the entire school year, and perform a series of band concerts.

**Co-requisite:** Music, Grade 11 or 12, University/College Preparation (AMI3M1 or AMI4M1)

**Music - Guitar, Grade 12 University/College****AMG4M1**

This course enables experienced guitar students to further enhance their musical literacy through the creation, appreciation, analysis and performance of advanced guitar technique, studies and repertoire. 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 analyze how to apply skills developed in music to their life and careers.

**Prerequisite:** AMG3M1

**Music, Grade 12, University/College Preparation** **AMI4M1**

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 analyze how to apply skills developed in music to their life and careers.

**Prerequisite:** Music, Grade 11, University/College Preparation (AMI3M1)

**Music Repertoire, Senior Band, Grade 11 University/College Part 2** **AMR3MC**

This .5 credit course incorporates the study and performance of band repertoire, at a senior level, to enrich and expand the experience of students enrolled in AMI4M. Different techniques such as recording and public performance will be experienced to develop a thorough appreciation of the band idiom. Students will have the opportunity to develop their leadership skills in a large ensemble setting. This is a half credit course that runs outside of the regular school day for the full year. Students will meet twice weekly for the entire school year, and perform and organize a series of band concerts.

**Co-requisite:** Music, Grade 11 or 12, University/College Preparation (AMI3M1 or AMI4M1)

## ARTS – Visual Arts

**Visual Arts, Grade 9, Open** **AVI1O1**

This course is exploratory in nature, offering 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 by using a range of media, processes, techniques, and styles. Students will use the creative and critical analysis processes and will interpret art within a personal, contemporary, and historical context.

**Prerequisite:** None

**Visual Arts, Grade 10, Open** **AVI2O1**

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

**Visual Arts, Grade 11, Open** **AVI3O1**

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

**Visual Arts: Crafts Grade 11, Open****AWA301**

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. Course objectives will be achieved through a program focused on general crafts.

**Prerequisite:** None

**Visual Arts, Grade 11, University/College Preparation****AVI3M1**

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, information design).

**Prerequisite:** Visual Arts, Grade 9 or 10, Open (AVI101 or AVI201)

**Visual Arts, Grade 12, University/College Preparation****AVI4M1**

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 (AVI3M1)

<b>BUSINESS</b>
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**Introduction to Information Technology in Business, Grade 9, Open****BTT101**

This course introduces students to the use of information technology in a business environment. Students will learn how to use information technology in a work environment, perform electronic research, communicate electronically, and use common business software. They will also explore possible future occupations in information technology.

**Prerequisite:** None

**Introduction to Business, Grade 10, Open****BBI201**

This course introduces students to the world of business. Students will develop an understanding of the functions of business, including accounting, marketing, information and communication technology, human resources, and production, and of the importance of ethics and social responsibility. This course builds a foundation for further studies in business and helps students develop the business knowledge and skills they will need in their everyday lives.

**Prerequisite:** None

**Introduction to Financial Accounting,  
Grade 11, University/College Preparation**

**BAF3M1**

This course introduces students to the fundamental principles and procedures of accounting, with emphasis on accounting procedures used in service and merchandising businesses. Students will develop an understanding of the connections between financial analysis, control, and decision making in the management of a business, as well as the effects of technology and globalization on accounting procedures and the role of the accountant.

**Prerequisite:** None

**Entrepreneurship: The Venture, Grade 11, College Preparation**

**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 school-based or student-run business. Through hands-on experiences, students will have opportunities to develop the values, traits, and skills most often associated with successful entrepreneurs.

**Prerequisite:** None

**Note:** This course is offered in alternate years. **It will be offered in 2022-2023.**

**Marketing: Goods, Services, Events, Grade 11, College Preparation**

**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

**Note:** This course is offered in alternate years. **It will be offered in 2023-2024.**

**Marketing: Retail and Service, Grade 11, Workplace Preparation**

**BMX3E1**

This course focuses on marketing activities in the retail and service sectors. Students will examine trends and global influences on marketing decisions, and will learn about the importance of customer service in developing a customer base and maintaining customer loyalty. Through hands-on learning, students will develop personal selling and information technology skills that will prepare them for a variety of marketing-related positions in the workplace.

**Prerequisite:** None

**Note:** *This course is offered in alternate years.* **It will be offered in 2022-2023.**

**Business Leadership: Management Fundamentals**

**BOH4M**

**Grade 12, University/College Preparation**

This course focuses on the development of leadership skills used in managing a successful business. Students will analyze the role of a leader in business, with a focus on decision making, management of group dynamics, workplace stress and conflict, motivation of employees, and planning. Effective business communication skills, ethics, and social responsibility are also emphasized.

**Prerequisite:** None

## CANADIAN AND WORLD STUDIES - CIVICS

### **Civics, Grade 10, Open (0.5 Credit)**

**CHV205**

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.

**Prerequisite:** None

**Note:** *This is a half-credit course taken with Career Studies (GLC205)*

## CANADIAN AND WORLD STUDIES - GEOGRAPHY

### **Issues in Canadian Geography, Grade 9, Academic**

**CGC1D1**

This course examines interrelationships within and between Canada's natural and human systems and how these systems interconnect with those in other parts of the world. Students will explore environmental, economic, and social geographic issues relating to topics such as transportation options, energy choices, and urban development. Students will apply the concepts of geographic thinking and the geographic inquiry process, including spatial technologies, to investigate various geographic issues and to develop possible approaches for making Canada a more sustainable place to live.

**Prerequisite:** None

### **Issues in Canadian Geography, Grade 9, Locally Developed**

**CGC1PL**

This course focuses on current geographic issues that affect Canadians. By examining their own personal and everyday experiences, students will explore issues relevant to sustainable living in Canada. They will also develop awareness that issues that affect their lives in Canada are interconnected with issues in other parts of the world. Students will be introduced to the concepts of geographic thinking to support their learning. Students will practice reading, writing, visual, and oral literacy skills, and mathematical literacy skills to identify and communicate geographic ideas in a variety of forms.

**NOTE:** This Geography of Canada course is for students who are taking Grade 9 courses at the locally developed level.

**Prerequisite:** None

### **Forces of Nature: Physical Processes and Disasters, University/College Preparation**

**CGF3M1**

In this course, students will explore physical processes related to the earth's water, land, and air. They will investigate how these processes shape the planet's natural characteristics and affect human systems, how they are involved in the creation of natural disasters, and how they influence the impacts of human disasters. Throughout the course, students will apply the concepts of geographic thinking and the geographic inquiry process and use spatial technologies to analyse these processes, make predictions related to natural disasters, and assess ways of responding to them.

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



**Travel and Tourism: A Geographic Perspective, Grade 11, Open** **CGG3O1**

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.

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

**World Issues: A Geographic Analysis** **CGW4C1**  
**Grade 12, College Preparation**

This course explores many difficult challenges facing Canada and the world today – challenges such as unequal access to food, water, and energy; urbanization; globalization; and meeting the needs of a growing world population while ensuring the sustainability of the natural environment. Students will explore these and other world issues from environmental, social, economic, and political perspectives, while applying the concepts of geographic thinking, the geographic inquiry process, and spatial technologies to guide and support their investigations.

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

**World Issues: A Geographic Analysis** **CGW4U1**  
**Grade 12, University Preparation**

This course looks at the global challenge of creating a more sustainable and equitable world. Students will explore a range of issues involving environmental, economic, social, and geopolitical interrelationships, and will examine governmental policies related to these issues. Students will apply the concepts of geographic thinking and the geographic inquiry process, including spatial technologies to investigate these complex issues, including their impact on natural and human communities around the world.

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

**The Environment and Resource Management** **CGR4M1**  
**Grade 12, University/College Preparation**

This course explores interactions between the natural and human environment, with a particular focus on the impact of human activity on various ecosystems. Students will explore resource management and sustainability practices, as well as related government policy and international protocols. Applying the concepts of geographic thinking and the geographic inquiry process, including spatial technologies, students will investigate the relationship between people and the natural environment and will propose approaches for developing more sustainable relationships, including environmentally responsible actions that support stewardship.

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

**The Environment and Resource Management** **CGR4E1**  
**Grade 12, Workplace Preparation**

This course examines the influence of human activities on the natural environment. Students will study ecosystem structures and processes, the ecological impact of human activities, and methods of responsible resource management. Students will apply geographic thinking and geographic inquiry process, including spatial technologies, to investigate practical solutions to environmental issues, enabling them to make more sustainable decisions at home and in the workplace.

**Prerequisite:** Geography of Canada, Grade 9, Academic or Applied (CGC1D1 or CGC1P1).

**Note:** *This course is offered in alternate years. It will be offered in 2023-2024*

## CANADIAN AND WORLD STUDIES - HISTORY

### **Canadian History since World War 1, Grade 10, Academic**

**CHC2D1**

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

### **Canadian History since World War 1 Grade 10, Applied**

**CHC2P1**

### **Canadian History since World War 1 Grade 10, Locally Developed**

**CHC2PL**

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

### **World History to the End of the Fifteenth Century Grade 11, University/College Preparation**

**CHW3M1**

This course explores the history of various societies around the world, from earliest times to around 1500 CE. Students will examine life in and the legacy of various ancient and pre-modern societies throughout the world, including those in, Africa, Asia, Europe, and the Americas. 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:** Canadian History since World War 1, Grade 10, Academic or Applied (CHC2D1 or CHC2P1)

### **World History since the Fifteenth Century Grade 12 University Preparation**

**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 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.

## **Adventures in World History, Grade 12, Workplace Preparation** **CHM4E1**

This course examines significant developments and events in world history from earliest times to the present. Students will explore social, economic, and political forces in different times and places, and how technology, art, and religion have helped shape people's lives and identities. Students will apply the concepts of historical thinking and the historical inquiry process, including the interpretation and analysis of evidence, when investigating a variety of human experiences in world history.

**Prerequisite:** Canadian History since World War 1, Grade 10, Academic or Applied, or a locally developed compulsory course (CHC2D1 or CHC2P1 or CHC2PL)

**Note:** *This course is offered in alternate years. It will be offered in 2022-2023.*

# **CANADIAN AND WORLD STUDIES - LAW**

## **Understanding Canadian Law** **CLU3M1**

### **Grade 11, University/College Preparation**

This course explores Canadian law, with a focus on legal issues that are relevant to the lives of people in Canada. Students will gain an understanding of rights and freedoms in Canada, our legal system, and family, contract, employment, tort, and criminal law. Students will use case studies and apply the concepts of legal thinking and the legal inquiry process to develop legal reasoning skills and to formulate and communicate informed interpretations of legal issues, and they will develop the ability to advocate for new laws.

**Prerequisite:** Canadian History since World War 1, Grade 10, Academic or Applied (CHC2D1 or CHC2P1).

## **Understanding Canadian Law in Everyday Life** **CLU3E1**

### **Grade 11, 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 the processing of criminal offences. Students will apply the concepts of legal thinking and the legal inquiry process, and will begin to develop legal reasoning skills and an understanding of Canadian law.

**Prerequisite:** Canadian History since World War 1, Grade 10, Academic or Applied (CHC2D1 or CHC2P1 or CHC2PL)

## **Canadian and International Law, Grade 12, University Preparation** **CLN4U1**

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

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

**Legal Studies, Grade 12, College Preparation****CLN4C1**

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, analyzing contemporary legal issues and their impact. They will investigate 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 inquiry process to investigate the role of law in a changing society and will develop conflict resolution skills needed for negotiation.

**Prerequisite:** Civics and Citizenship, Grade 10 (CHV205)

<b>First Nations, Métis, and Inuit Studies</b>
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**World Views and Aspirations of First Nations, Métis, and Inuit Communities in Canada, Grade 11, College Preparation****NBV3C1**

This course explores the diverse knowledge, world views, and aspirations that shape the actions of First Nations, Métis, and Inuit individuals and communities in Canada. Students will examine the historical and contemporary context of those beliefs, values, aspirations, and actions, including the impact of colonization and decolonization. Students will explore the factors that shape world views to develop an understanding of how acknowledging diverse cultures, values, and ways of knowing contributes to truth, reconciliation, and renewed nation-to-nation relationships. Students are also given the opportunity to develop their own problem-solving strategies to build mutual understanding related to First Nations, Métis, and Inuit world views and aspirations.

**Prerequisite:** First Nations, Métis, and Inuit in Canada, Grade 10, Open, or Canadian History since World War I, Grade 10, Academic or Applied

**Contemporary First Nations, Métis, and Inuit Issues and Perspectives, Grade 11, University College Preparation****NDA3M1**

This course explores existing and emerging issues of local, regional, and national importance to First Nations, Métis, and Inuit in Canada. Students will analyse diverse perspectives on issues and events related to land, community, governance, identity, culture, and global trends. Using the concepts of political thinking and the tools of political inquiry, students will explore their own and others' ideas and investigate issues to determine what needs to change and why. Students are also given the opportunity to develop their own problem-solving strategies to address an issue of their choice.

**Prerequisite:** First Nations, Métis, and Inuit in Canada, Grade 10, Open, or Canadian History since World War I, Grade 10, Academic or Applied

## COOPERATIVE EDUCATION

Cooperative education is taken as a two-credit course. This selection takes 2 spaces on your course selection sheet and in myBlueprint.

The **procedure for applying** to all Cooperative Education courses is outlined below:

**Register for Coop in myBlueprint**



***An electronic application form will be sent to your gotvdsb.ca account***



**Interview with Cooperative Education Teacher.  
Decision made on program acceptance**

Students select a workplace that is related to their in-school (subject related) course. Every effort will be made to provide students with placement choices, but there are no guarantees. High demand and limited placement opportunities in some career fields may result in competitive interviews to determine a final candidate. Students are responsible for their own transportation

Speak to a guidance counsellor or co-op teacher if you have questions about co-operative education opportunities.

Cooperative Education provides students with the opportunity to earn credits by integrating classroom theory with learning experiences at a workplace. Students have an opportunity to work in the community as part of their learning experience. The placement is arranged by the school and is linked to a course that has been successfully completed. Following a two week in-school pre-placement session, students begin work at their placements for the full semester. Students are placed in work environments which may assist career decision-making, as well as developing the knowledge, skills, and attitudes required in today's workplace.

Through Cooperative Education, students have the opportunity to:

- Explore career options
- Gain skills and knowledge in a particular career area
- Develop skills transferrable to all career areas
- Create a personal portfolio to support their career pathway

As Cooperative Education requires a certain skill and maturity level, admission is generally offered to senior students. Students must complete the electronic application form sent to their gotvdsb.ca account, have good attendance and punctuality patterns, and have a successful interview with a teacher from the Cooperative Education department to be admitted to the program.

Students select a workplace that is related to their in-school (subject related) course. Every effort will be made to provide students with placement choices, but there are no guarantees. High demand and limited placement opportunities in some career fields may result in competitive interviews to determine a final candidate. Students are responsible for their own transportation.

Speak to a guidance counsellor or co-op teacher if you have questions about Cooperative Education opportunities.

**Work Internship Co-op, Grade 11 Open (School to Work)****DCO3OW**

This course consists of a learning experience connected to a community and a cooperative education curriculum focused on developing skills, knowledge, and habits of mind that will support students in their learning, including their education and career/life planning, at school and beyond, today and in the future. Within the context of their experience connected to a community, students will apply skills, knowledge, and habits of mind that will protect and promote their health, safety, and well-being and that will strengthen their inquiry, decision-making, and leadership skills. Students will create and implement a learning plan that meets their particular interests and needs, reflect on their learning, and make connections between their experience in the community and other aspects of their lives. Students receive more in class support to complete the course requirements.

**Prerequisite:** None

**Cooperative Education****Linked to a Related Course (or Courses)\*****GWL3OD/GLN4OD**

This course consists of a learning experience connected to a community and a cooperative education curriculum that incorporated relevant expectations from the student's related course (or courses). Students will develop skills, knowledge, and habits of mind that will support them in their learning, including their education and career/life planning, at school and beyond, today and in the future. Within the context of their experience connected to a community, students will apply, extend, and refine skills and knowledge acquired in their related course or courses and will apply skills, knowledge, and habits of mind that will protect and promote their health, safety, and wellbeing. They will create and implement a learning plan that meets their particular interests and needs, reflect on their learning, and make connections between their experience in the community and other aspects of their lives.

**Prerequisite:** None

**ENGLISH****English, Grade 9, Academic****ENG1D1**

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.

**Prerequisite:** None

**English, Grade 9, Locally Developed****ENG1L1**

**This course provides** foundational literacy and communication skills to prepare students for success in their daily lives, in the workplace, and in future English courses. This course is organized by strands that develop listening and talking skills, reading and viewing skills, and writing skills. In all strand, the focus is on developing foundations literacy skills and in using language clearly and accurately in a variety of authentic contexts. Students develop strategies and put into practice the processes involved in talking, listening, reading, viewing, writing, and thinking, and reflect regularly upon their growth in these areas.

**Prerequisite:** None

**English, Grade 10, Academic****ENG2D1**

This course extends the range of analytic, reading, writing, oral communication, and thinking skills that students need for success in 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 (ENG1D1 or ENG1P1). Academic is strongly recommended.

**English, Grade 10, 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, Academic or Applied (ENG1D1 or ENG1P1)

**English, Grade 10, Locally Developed****ENG2L1**

In this course, students focus on extending their literacy and communication skills to prepare for success in their daily lives, in the workplace, in the English Grade 11 Workplace Preparation course. The course is organized by strands that extend listening and talking skills, reading and viewing skills, and writing skills. In all strands, the focus is on refining foundational literacy skills and in using language clearly and accurately in a variety of authentic contexts. Students build on their strategies and engage in the processes involved in talking, listening, reading, viewing, writing, and thinking, and reflect regularly upon their growth in these areas.

**Prerequisite:** A Grade 9 English credit.

**English, Grade 11, University Preparation****ENG3U1**

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 (ENG2D1)

**English, Grade 11, College Preparation****ENG3C1**

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 literacy texts from Canada and other countries, 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. The course is intended to prepare students for the compulsory Grade 12 college preparation course.

**Prerequisite:** English, Grade 10, Applied or Academic (ENG2P1 or ENG2D1)

**English, Grade 11, Workplace Preparation****ENG3E1**

This course emphasizes the development of literacy, communication, 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 formal and informal contexts. This course is intended to prepare students for the compulsory Grade 12 workplace preparation course.

**Prerequisite:** English, Grade 10, Applied (ENG2P1) or Locally Developed (ENG2L1)

**English, Grade 12, University Preparation****ENG4U1**

This course emphasizes consolidation of 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 time periods, countries, and cultures; interpret and evaluate informational and graphic tests; and create oral, written, and media texts in a variety of forms. An important focus will be on using academic language coherently and confidently, and developing greater control in writing. This course is intended to prepare students for university, college, or the workplace.

**Prerequisite:** English, Grade 11, University Preparation (ENG3U1)

**English, Grade 12, College Preparation****ENG4C1**

This course emphasizes 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 or University Preparation (ENG3C1 or ENG3U1)

**English, Grade 12, Workplace Preparation****ENG4E1**

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 College Preparation (ENG3E1 or ENG3C1)

**Ontario Secondary School Literacy Course, Open****OLC4O1**

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 literacy portfolio containing a record of their reading experiences and samples of their writing.

**Prerequisite:** Students who have written the OSSLT with an unsuccessful outcome at least once are eligible to take this course at the discretion of the principal.



**The Writer's Craft, Grade 12, University Preparation****EWC4U1**

This course emphasizes knowledge and skills related to the craft of writing. Students will analyze models of effective writing; use a workshop approach to produce a range of works; identify and use techniques required for specialized forms of writing; and identify effective ways to improve the quality of their writing. They will also complete a major paper as part of a creative or analytical independent study project and investigate opportunities for publication and for writing careers.

**Prerequisite:** English, Grade 11, University Preparation (ENG3U1)

**Deconstructing Anti-Black Racism in the Canadian and North American Context  
University Preparation****IDC4U1**

This course will examine and deconstruct the complex nature of anti-Black Racism in Canada, and within the broader North American context, through the study of historical oppression, as well as the political and social theories around Blackness. Students will develop their ability to identify, name, and effectively address anti-Black racism and discrimination in its various forms. Furthermore, the course will examine the concept of allyship in partnering in the fight for racial equality. Ultimately, this course will enable students to understand the intergenerational trauma that has been inflicted upon Black people and to develop their critical consciousness in understanding issues of equity in a broader context. Students will be equipped with the tools necessary to create and carry out social action initiatives designed to enhance and empower the local community.

**Prerequisite:** Any university (U) or university/college (M) preparation course in Canadian and world studies, English, or social sciences and humanities

**FRENCH AS SECOND LANGUAGE****Core French, Grade 9, 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 the skills necessary to become life-long language learners.

**Prerequisite:** None

**Core French, Grade 9 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.

**Prerequisite:** None

**Core French, Grade 10, 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 continue to develop the skills necessary to become life-long language learners.

**Prerequisite:** Core French, Grade 9, Academic or Applied (FSF1D1 or FSF1P1)  
(Academic strongly recommended)

**Core French, Grade 10, Applied****FSF2P1**

This course provides opportunities for students to communicate in French about everyday matters and topics of personal interest in real-life situations. Students will exchange information, ideas, and opinions with others in structured, guided, and increasingly spontaneous spoken interactions. Students will develop their skills in listening, speaking, reading, and writing through using language learning strategies for understanding texts and communicating clearly. They will also increase their understanding and appreciation of diverse French-speaking communities, and will continue to develop the skills necessary to become life-long language learners.

**Prerequisite:** Core French, Grade 9, Academic or Applied (FSF1D1 or FSF1P1)

**Core French, Grade 11, University Preparation****FSF3U1**

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 continue to broaden their understanding and appreciation of diverse French-speaking communities and to develop the skills necessary for life-long language learning.

**Prerequisite:** Core French, Grade 10, Academic (FSF2D1)

**Core French, Grade 12, University Preparation****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 creative and critical thinking skills 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 the skills necessary for life-long language learning.

**Prerequisite:** Core French, Grade 11, University Preparation (FSF3U1)

## GUIDANCE AND CAREER EDUCATION

**Career Studies, Grade 10, Open (0.5 Credit)****GLC2O5**

This course teaches students how to develop and achieve personal goals in education and work and contribute to their communities. Student learning will include assessing their own knowledge, skills, and characteristics and investigating economic trends, workplace organization, work opportunities, and ways to search for work. The course explores postsecondary learning options, prepares students for community-based learning, and helps them build the capabilities needed for managing work and life transitions. Students will design action plans for pursuing their goals.

**Note:** *This is a half credit taken with Civics (CHV2O5)*

**Leadership and Peer Support, Grade 11, Open****GPP301**

This course prepares students to act in leadership and peer support roles. They will design and implement a plan for contributing to their school and/or community: develop skills in communication, interpersonal relations, teamwork, and conflict management: and apply those skills in leadership and/or peer support roles – for example, as a student council member or a peer member or a peer tutor. Students will examine group dynamics and learn the value of diversity within groups and communities. A community focused activity is an essential component of this course

**Prerequisite:** none

## HEALTH & PHYSICAL EDUCATION

### **Healthy Active Living Education, Grade 9, Open**

**PPL10F - Female**

**PPL10M – Male**

**PPC10C – Co-Ed**

This course equips students with knowledge and skills they need to make healthy choices now and lead healthy, active lives in the future. Through participation in 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.

**Prerequisite:** None

### **Healthy Active Living Education, Grade 10, Open**

**PPL20F - Female**

**PPL20M - Male**

This course enables students to further develop the knowledge and skills they need to make healthy choices now and lead healthy, active lives in the future. Through participation in 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.

**Prerequisite:** None

### **Personal and Fitness Activities, Grade 10, Open (Co-Ed)**

**PAF20C**

This course emphasizes regular participation in a variety of enjoyable physical activities that promote lifelong healthy active living including aerobics, circuit, bootcamp and weight training. Student learning will include the application of movement principles to refine skills through participation in a variety of activities that enhance personal competence, fitness, and health. Students will learn movement skills and principles, methods to improve personal fitness, principles of training, training systems and safety and injury prevention. Students will investigate issues related to body image, stress, nutrition, goal setting and social skills.

**Prerequisite:** None

### **Large Group Activities: Hockey, Grade 11, Open (Co-Ed)**

**PAL30C**

This course focuses on the development of a healthy lifestyle and participation in a variety of enjoyable physical activities and hockey skills that have the potential to engage students' interest throughout their lives. Students will be encouraged to develop personal competence in a variety of movement and skills. Students will be given opportunities to practice goal-setting, decision-making, social and interpersonal skills. Students will also study the components of hockey theory and strategy, healthy nutrition, mental health, healthy relationships, and personal safety.

**Prerequisite:** None

**Note:** Enhancement fee, approximately \$200.

## **Healthy Active Living Education, Grade 11 Open**

**PPL30F – Female**

**PPL30M – Male**

This course enables students to further develop the knowledge and skills they need to make healthy choices now and lead healthy, active lives in the future. Through participation in wide range of physical activities, and exposure to a broader range of activity settings, students 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.

**Prerequisite:** None

## **Recreation and Healthy Active Living Leadership Grade 12, University/College Preparation**

**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

## **Health For Life, Grade 11, College (Co-Ed) Personal Fitness and Activity Focus**

**PPZ3CA**

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

**Prerequisite:** None

## **Healthy Active Living Education, Grade 12, Open (Co-Ed),**

**PPL401**

This course enables students to further develop the knowledge and skills they need to make healthy choices. It places special emphasis on how students can maintain the habits of healthy, active living throughout their lives as they make the transition to adulthood and independent living. Through participation in a wide range of physical activities in a variety of settings, students can enhance their movement competence, personal fitness, and confidence. Students also acquire an understanding of the factors and skills that contribute to healthy development and learn how their own well-being is affected by, and affects, the world around them. Students build their sense of self, learn to interact positively with others, and develop their ability to think critically and creatively.

**Prerequisite:** None

### **Introductory Kinesiology, Grade 12, University Preparation**

**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 physiological, psychological, and social factors that influence an individual's participation in physical activity. The course prepares students for university programs in physical education and health, kinesiology health sciences, health studies, recreation, and sports administration.

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

## **MATHEMATICS**

### **Math, Grade 9, De-streamed Course**

**MTH1W**

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.

**Prerequisite:** None

### **Mathematics, Grade 9, Locally Developed**

**MAT1L1**

This course emphasizes further development of mathematical knowledge and skills to prepare students for success in their everyday lives, in the workplace, in the Gr 10 course (MAT2L1), and in the Mathematics Grade 11 and Grade 12 Workplace (MEL3E1 and MEL4E1) preparation courses. The course is organized by three strands related to money sense, measurement, and proportional reasoning. In all strands, the focus is on developing and consolidating key foundational mathematical concepts and skills to solving authentic, everyday problems. Students have opportunities to further their mathematical literacy and problem-solving skills and to continue developing their skills in reading, writing, and oral language through relevant and practical math activities.

**Prerequisite:** None

### **Principles of Mathematics, Grade 10, 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 multi step problems and communicate their thinking.

**Prerequisite:** Principles of Mathematics, Grade 9, MTH1W1

### **Foundations of Mathematics, Grade 10, Applied**

**MFM2P1**

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 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-angles, 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, MTH1W1

### **Mathematics, Grade 10, Locally Developed**

**MAT2L1**

This course emphasizes the extension of mathematical knowledge and skills to prepare students for success in their everyday lives, in the workplace, and in the Mathematics Grade 11 and Grade 12 Workplace Preparation courses. The course is organized by three strands related to money sense, measurement, and proportional reasoning. In all strands, the focus is on strengthening and extending key foundational mathematical concepts and skills by solving authentic, everyday problems. Students have opportunities to extend their mathematical literacy and problem-solving skills and to continue developing their skills in reading, writing, and oral language through relevant and practical math activities.

**Prerequisite:** A Grade 9 Mathematics credit.

### **Functions, Grade 11, University Preparation**

**MCR3U1**

This course introduces the mathematical concept of the function by extending student's experiences with linear and quadratic relations. Students will investigate properties of discrete and continuous functions, including trigonometric and exponential functions; represent functions numerically, algebraically, and graphically; solve problems involving applications of functions; investigate inverse functions; and develop facility in determining equivalent algebraic expressions. Students will reason mathematically and communicate their thinking as they solve multi-step problems.

**Prerequisite:** Principles of Mathematics, Grade 10, Academic (MPM2D1)

### **Functions and Applications**

**MCF3M1**

#### **Grade 11, University/College Preparation**

This course introduces basic features of the function by extending student's 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 applications. Students will reason mathematically and communicate their thinking as they solve multi-step problems.

**Prerequisite:** Principles of Mathematics, Grade 10, Academic, or Foundations of Mathematics, Grade 10, Applied (MPM2D1 or MFM2P1)

### **Foundations for College Mathematics**

**MBF3C1**

#### **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; investigate situations involving exponential growth; solve problems involving compound interest; solve financial problems connected with vehicle ownership; develop their ability to reason by collecting, analyzing, and evaluating data involving one variable; connect probability and statistics; and solve problems in geometry and trigonometry. Students will consolidate their mathematical skills as they solve problems and communicate their thinking.

**Prerequisite:** Foundations of Mathematics, Grade 10, Applied (MFM2P) or Principles of Mathematics, Grade 10, Academic (MPM2D1)

## **Mathematics for Work and Everyday Life**

### **Grade 11, Workplace Preparation**

**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 (MTH1W), or Grade 10 Locally Developed Mathematics (MAT2L1)

## **Calculus and Vectors, Grade 12, University Preparation**

**MCV4U1**

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, sinusoidal, exponential, rational, and radical functions; and apply these concepts and skills to the 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 choose to pursue careers in fields such as science, engineering, economics, and some areas of business, including those students who will be required to take a university-level calculus, linear algebra, or physics course.

**Prerequisite:** Advanced Functions course (MHF4U) must be taken prior to or concurrently with Calculus and Vectors (MCV4U1).

## **Mathematics of Data Management, Grade 12, University Preparation**

**MDM4U1**

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

**Prerequisite:** Functions and Applications, Grade 11, University/College Preparation, or Functions Grade 11, University Preparation (MCF3M1 or MCR3U1)

## **Advanced Functions, Grade 12, University Preparation**

**MHF4U1**

This course extends student's experience with functions. Students will investigate the properties of polynomial, rational, logarithmic, and trigonometric functions; develop techniques for combining functions; broaden their understanding of rates of change; and develop facility in applying these concepts and skills. Students will also refine their use of the mathematical processes necessary for success in senior mathematics. This course is intended both for students taking the Calculus and Vectors course as a prerequisite for a university program and for those wishing to consolidate their understanding of mathematics before proceeding to any one of a variety of university programs.

**Prerequisite:** Functions, Grade 11, University Preparation (MCR3U1), or Mathematics for College Technology, Grade 12, College Preparation (MCT4C1)



**Foundations for College Mathematics, Grade 12, College Preparation** **MAP4C1**

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; solve financial problems connected with annuities, budgets, and renting or owning accommodation; simplify expressions; and solve equations. Students will reason mathematically and communicate their thinking as they solve multi-step problems. This course prepares students for college programs in areas such as business, health sciences, and human services, and for certain skilled trades.

**Prerequisite:** Foundations for College Mathematics, Grade 11, College Preparation (MBF3C1) or Functions and Applications, Grade 11, University/College Preparation (MCF3M1)

**Mathematics for College Technology, Grade 12, College Preparation** **MCT4C1**

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

**Prerequisite:** Functions and Applications, Grade 11, University/College Preparation (MCF3M1), or Functions, Grade 11, University Preparation (MCR3U1)

**Mathematics for Work and Everyday Life,  
Grade 12, Workplace Preparation****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, create household budgets, and prepare a personal income tax return; use proportional reasoning; estimate and measure; and apply geometric concepts to create designs. Students will consolidate their mathematical skills as they solve problems and communicate their thinking.

**Prerequisite:** Mathematics for Work and Everyday Life, Grade 11, Workplace Preparation (MEL3E1)

**SCIENCE****Science, Grade 9 De-Streamed****SNC1W**

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.

**Prerequisite:** None

## **Science, Grade 9, Locally Developed**

### **SNC1L1**

This course emphasizes reinforcing and strengthening science-related knowledge and skills, including scientific inquiry, critical thinking and the relationship between science, society, and the environment, to prepare students for success in everyday life, in the workplace and in the Science Grade 11 (SNC3E1) workplace preparation course. Students explore a range of topics including science in daily life, properties of common materials, life- sustaining processes in simple and complex organisms, and electrical circuits. Students have the opportunity to extend mathematical and scientific process skills and to continue to develop their skills in reading, writing, and oral language through relevant and practical science activities.

**Prerequisite:** None

## **Science, Grade 10, 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.

**Prerequisite:** Science, Grade 9, Academic or Applied (SNC1D1 or SNC1P1)

## **Science, Grade 10, 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, Academic or Applied (SNC1D1 or SNC1P1)

## **Science, Grade 10, Locally Developed**

### **SNC2L1**

This course emphasizes reinforcing and strengthening science-related knowledge and skills, including scientific inquiry, critical thinking, and the environmental impact of science and technology, to prepare students for success in everyday life, in the workplace and the Science Grade 11 Workplace Preparation course. Students explore a range of topics including science in the media, interactions of common materials, interdependence of organisms in communities, and using electrical energy. Students have the opportunity to extend mathematical and scientific process skills and to continue developing their skills in reading, writing, and oral language through relevant and practical science activities.

**Prerequisite:** A Grade 9 Science credit.

## **Biology**

## **Biology, Grade 11, University Preparation**

### **SBI3U1**

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

**Prerequisite:** Science, Grade 10, Academic (SNC2D1)

**Biology, Grade 11, College Preparation****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.

**Prerequisite:** Science, Grade 10, Academic or Applied (SNC2D1 or SNC2P1)

**Biology, Grade 12, University Preparation****SBI4U1**

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 (SBI3U1)

<b>Chemistry</b>
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**Chemistry, Grade 11, University Preparation****SCH3U1**

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 behavior 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 (SNC2D1)

**Note:** A mark of 70% or higher in Grade 10 Academic science (SNC2D1) is recommended to proceed to this level.

**Chemistry, Grade 12, University Preparation****SCH4U1**

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 (SCH3U1)

**Chemistry, Grade 12, College Preparation****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 (SNC2D1 or SNC2P1)

## Environmental Science

### **Environmental Science, Grade 11, Workplace Preparation**

**SVN3E1**

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

**Prerequisite:** Science, Grade 9, Academic or Applied (SNC1D1 or SNC1P1), or a Grade 9 or 10 Locally developed compulsory credit course in science (SNC1L1 or SNC2L1)

## Physics

### **Physics, Grade 11, University Preparation**

**SPH3U1**

This course develops student's 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 analyze 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 (SNC2D1)

### **Physics, Grade 12, University Preparation**

**SPH4U1**

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 analyze, 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 (SPH3U1)

## SOCIAL SCIENCES AND HUMANITIES

### **Exploring Family Studies, Grade 9, Open**

**HIF101**

This course explores, within the context of families, some of the fundamental challenges people face: how to meet basic needs, how to relate to others, how to manage resources, and how to become responsible members of society. Students will explore adolescent development and will have opportunities to develop interpersonal, decision-making, and practical skills related to daily life. They will learn about the diverse ways in which families function in Canada and will use research skills as they explore topics related to individual and family needs and resources.

**Prerequisite:** None

### **Food and Nutrition, Grade 10, Open**

**HFN201**

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.

**Prerequisite:** None

### **Food and Culture, Grade 11, Workplace Preparation**

**HFC3E1**

This course focuses on the flavors, aromas, cooking techniques, foods, and cultural traditions of world cuisines. Students will demonstrate the ability to cook with ingredients and equipment from a range of cultures, describe food-related etiquette in a variety of countries and cultures, and explore ways in which Canadian food choices and traditions have been influenced by other cultures. Students will have opportunities to develop practical skills and apply research skills as they investigate foods and food practices from around the world.

**Prerequisite:** None

### **Gender Studies, Grade 11, University/College Preparation**

**HSG3M1**

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

**Prerequisite:** None

### **Food and Healthy Living, Grade 12, Workplace Preparation**

**HFL4E1**

This course focuses on the fundamental food needs of young adults. Students will learn how to stock a kitchen, make nutritious food choices, and accommodate the food needs of others. Through a range of practical experiences, they will develop skills needed in food preparation for personal use and for employment in the food industry. They will also learn about dining etiquette in different contexts and about responsible consumer practices. Students will use social science research methods to investigate issues related to food preparation and nutrition.

**Prerequisite:** None

**Nutrition and Health, Grade 12, University Preparation** **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 investigation 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

**Working with Infants and Young Children, Grade 11, College** **HPW3C1**

This course focuses on the well-being of children in families and community settings. Students will study child behavior and child development in the context of relationships with parents and others in the community, and will learn through research and by observing and interacting with children. This course prepares students for further study of children, familiarizes them with occupational opportunities related to working with children, and introduces them to skills used in researching and investigating children's behavior in response to others.

**Prerequisite:** None

**Introduction to Anthropology, Psychology and Sociology** **HSP3C1**  
**Grade 11, College Preparation**

This course introduces students to theories, questions, and issues related to anthropology, psychology, and sociology. Students learn about approaches and research methods used by social scientists. They will be given opportunities to apply theories from a variety of perspectives, to conduct social science research, and to become familiar with current issues within the three disciplines.

**Prerequisite:** None

**Introduction to Anthropology, Psychology and Sociology** **HSP3U1**  
**Grade 11, University Preparation**

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

**Prerequisite:** Grade 10 Academic English (ENG2D) or Grade 10 Academic History (CHC2D)

**Personal Life Management, Grade 12, Open** **HIP4O1**

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

**Prerequisite:** None

**Challenge and Change in Society, Grade 12, University Preparation HSB4U1**

This course focuses on the use of social science theories, perspectives, and methodologies to investigate and explain shifts in knowledge, attitudes, beliefs, and behavior and their impact on society. Students will critically analyze how and why cultural, social, and behavioral patterns change over time. They will explore the ideas of social theorists and use those ideas to analyze 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 social sciences and humanities, English, or Canadian and world studies

**TECHNOLOGICAL EDUCATION  
Exploring Technology**

**Exploring Technologies, Grade 9, Open TIJ101**

This course enables students to further explore and develop technological knowledge and skills introduced in the elementary science and technology program. Students will be given the opportunity to design and create products and/or provide services related to the various technological areas or industries, working with a variety of tools, equipment, and software commonly used in industry. Students will develop an awareness of environmental and societal issues, and will begin to explore secondary and postsecondary education and training pathways leading to careers in technology- related fields.

**Prerequisite:** None

**TECHNOLOGICAL EDUCATION  
Communication Technology**

**Communications Technology, Grade 10, Open TGJ201**

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 post-secondary education and training pathways and career opportunities in the various communications technology fields.

**Prerequisite:** None

**Communications Technology: Broadcast and Print Production  
Grade 11, Open TGJ301**

This course enables students to develop knowledge and skills in the areas of graphic communication, printing and publishing, audio and video production, and broadcast journalism. Students will work both independently and as part of a production team to design and produce media products in a project-driven environment. Practical projects may include the making of signs, yearbooks, video and/or audio productions, newscasts, and documentaries. Students will also develop an awareness of related environmental and societal issues and explore secondary and post-secondary education and training pathways and career opportunities in the various communications technology fields.

**Prerequisite:** None

**Communications Technology****TGJ3M1****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**Communications Technology: Digital Imagery and Web Design****TGJ4O1****Grade 12, Open**

This course enables students to develop knowledge and skills in the areas of photography, digital imaging, animation, 3D modeling, and web design. Students will work both independently and as part of a production team to design and produce media products in a project driven environment. Practical projects may include photo galleries, digital images, animations, 3D models, and websites. Students will also expand their awareness of environmental and societal issues related to communications technology and explore post-secondary education, training, and career opportunities.

**Prerequisite:** None**Communications Technology****TGJ4M1****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 will investigate career opportunities and challenges in a rapidly changing technological environment.

**Prerequisite:** Communications Technology, Grade 11, University/College Preparation (TGJ3M1)

<b>TECHNOLOGICAL EDUCATION</b> <b>Computer Technology</b>
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**Computer Technology, Grade 10, 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 related environmental and societal issues, and will learn about secondary and postsecondary pathways and career opportunities in computer technology.

**Prerequisite:** None



**Computer Engineering Technology****TEJ3M1****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 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

**Computer Engineering Technology****TEJ4M1****Grade 12, University/College Preparation**

This course extends student's 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 (TEJ3M1)

<b>TECHNOLOGICAL EDUCATION</b> <b>Construction Technology</b>
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**Construction Technology, Grade 10, 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 post-secondary pathways leading to careers in the industry.

**Prerequisite:** None

**Construction Engineering Technology, Grade 11, College Preparation****TCJ3C1**

This course focuses on the development of knowledge and skills related to residential construction. Students will gain hands on experience using a variety of construction materials, processes, tools, and equipment; learn about building design and planning construction projects; create and interpret working drawings and sections; and learn how the Ontario Building Code and other regulations and standards apply to construction projects. Students will also develop an awareness of environmental and societal issues related to construction technology, and explore career opportunities in the field.

**Prerequisite:** None

**Construction Engineering Technology, Grade 12, College Preparation TCJ4C1**

This course enables students to further develop knowledge and skills related to residential construction and to explore light commercial construction. Students will gain hands on experience using a variety of materials, processes, tools, and equipment and will learn more about building design and project planning. They will continue to create and interpret construction drawings and will extend their knowledge of construction terminology and of relevant building codes and regulations, as well as health and safety standards and practices. Students will also focus on environmental and societal issues related to construction engineering technology, and explore career opportunities in the field.

**Prerequisite:** Construction Engineering Technology, Grade 11, College Preparation (TCJ3C1)

**Custom Woodworking, Grade 11, Workplace Preparation TWJ3E1**

This course enables students to develop knowledge and skills related to cabinet making and furniture making. Students will gain practical experience using a variety of the materials, tools, equipment, and joinery techniques associated with custom woodworking. Students will learn to create and interpret technical drawings and will plan, design, and fabricate projects. They will also develop an awareness of environmental and societal issues related to the woodworking industry, and explore apprenticeships, post-secondary training, and career opportunities in the field that may be pursued directly after graduation.

**Prerequisite:** None

**Custom Woodworking, Grade 12, Workplace Preparation TWJ4E1**

This course enables students to further develop knowledge and skills related to the planning, design, and construction of cabinets and furniture for residential and/ or commercial projects. Students will gain further experience in the safe use of common woodworking materials, tools, equipment, finishes, and hardware, and will learn about the entrepreneurial skills needed to establish and operate a custom woodworking business. Students will also expand their awareness of health and safety issues and environmental and societal issues related to woodworking, and will explore career opportunities that may be pursued directly after graduation.

**Prerequisite:** Custom Woodworking, Grade 11, Workplace Preparation (TWJ3E1)

<b>TECHNOLOGICAL EDUCATION</b> <b>Green Industries</b>
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**Green Industries, Grade 10, Open THJ2O1**

This course introduces students to the various sectors of the green industries—agriculture, forestry, horticulture, floristry, and landscaping. Using materials, processes, and techniques commonly employed in these industries, students will participate in a number of hands-on projects that may include plant or animal propagation; production, maintenance, and harvesting activities; the development of floral or landscaping designs; and/or related construction activities. Students will also develop an awareness of environmental and societal issues related to green industry activities, learn about safe and healthy working practices, and explore secondary and post-secondary education and training pathways and career opportunities in the various industry sectors.

**Prerequisite:** None

## **Green Industries, Grade 11, University/College Preparation**

### **THJ3M1**

This course enables students to develop knowledge and skills related to agriculture, forestry, horticulture, and landscaping. Students will study the identification, growth, and management of plants and animals and develop process, design, and management skills required in the green industries. Students will also examine social and economic issues related to the green industries, learn about safe and healthy working practices, study industry standards and codes, and explore post-secondary education programs and career opportunities.

**Prerequisite:** None

## **Green Industries, Grade 11, Workplace Preparation**

### **THJ3E1**

This course enables students to develop knowledge and skills related to agriculture, floristry, forestry, horticulture, and landscaping. Students will learn to identify a broad range of plant and animal species; examine factors that affect the growth of plants and animals and the quality of products derived from them; and develop process, design, and maintenance skills required in the green industries. Students will also learn about safe and healthy working practices, develop an awareness of environmental and societal issues related to green industry activities, and learn about apprenticeships and other post-secondary education and training opportunities, as well as employment opportunities that may be pursued directly after graduation.

**Prerequisite:** None

## **Green Industries, Grade 12, University/College Preparation**

### **THJ4M1**

This course focuses on more complex concepts and skills related to the green industries. Students will focus on developing process skills, design and management techniques, and ways of enhancing environmental sustainability. They will also examine social and economic issues related to the green industries, learn about safe and healthy working practices, study industry standards and codes, and explore career opportunities. The knowledge and skills acquired in this course will prepare students for more specialized studies at the college and university level.

**Prerequisite:** Green Industries, Grade 11, University/College Preparation (THJ3M1)

## **Green Industries, Grade 12, Workplace Preparation**

### **THJ4E1**

This course enables students to gain further experience with a variety of industry procedures and operations and to acquire additional industry-specific skills. Students will study more complex processes, develop more advanced design and maintenance skills, and explore ways of enhancing environmental sustainability. They will also examine social and economic issues related to the green industries, learn about safe and healthy working practices, study industry standards and codes, and explore career opportunities in the various industries. The knowledge and skills acquired in this course will prepare students for the workplace and apprenticeship training.

**Prerequisite:** Green Industries, Grade 11, Workplace Preparation (THJ3E1)

## TECHNOLOGICAL EDUCATION

### Manufacturing Technology

#### **Manufacturing Technology, Grade 10, Open**

**TMJ201**

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 post-secondary pathways leading to careers in the industry.

**Prerequisite:** None

#### **Manufacturing Technology, Grade 11, College Preparation**

**TMJ3C1**

This course enables students to develop knowledge and skills through hands-on, project-based learning. Students will acquire design, fabrication, and problem-solving skills while using tools and equipment such as lathes, mills, welders, computer-aided machines, robots, and control systems. Students may have opportunities to obtain industry-standard certification and training. Students will develop an awareness of environmental and societal issues related to manufacturing and will learn about pathways leading to careers in the industry.

**Prerequisite:** None

#### **Manufacturing Technology, Grade 11, Workplace Preparation**

**TMJ3E1**

This hands-on, project-based course is designed for students planning to enter an occupation or apprenticeship in manufacturing directly after graduation. Students will work on a variety of manufacturing projects, developing knowledge and skills in design, fabrication, and problem solving and using tools and equipment such as engine lathes, milling machines, and welding machines. In addition, students may have the opportunity to acquire industry standard certification and training. Students will develop an awareness of environmental and societal issues related to manufacturing and will learn about secondary school pathways that lead to careers in the industry.

**Prerequisite:** None

#### **Manufacturing Technology, Grade 12, College Preparation**

**TMJ4C1**

This course enables students to further develop knowledge and skills related to machining, welding, print reading, computer numerical control (CNC), robotics, and design. Students will develop proficiency in using mechanical, pneumatic, electronic, and computer control systems in a project-based learning environment and may have opportunities to obtain industry-standard training and certification. Students will expand their awareness of environmental and societal issues and career opportunities in the manufacturing industry.

**Prerequisite:** Manufacturing Technology, Grade 11, College Preparation (TMJ3C1)

#### **Manufacturing Technology, Grade 12, Workplace Preparation**

**TMJ4E1**

This project-driven, hands-on course builds on student's experiences in manufacturing technology. Students will further develop knowledge and skills related to the use of engine lathes, milling machines, welding machines, and other related tools and equipment as they design and fabricate solutions to a variety of technological challenges in manufacturing. Students may have opportunities to acquire industry-standard training and certification. Students will expand their awareness of environmental and societal issues and of career opportunities in the manufacturing industry.

**Prerequisite:** Manufacturing Technology, Grade 11, Workplace Preparation (TMJ3E1)

**TECHNOLOGICAL EDUCATION**  
**Design Technology**

**Technological Design and the Environment, Grade 11, Open**

**TDJ301**

This course enables students to apply a systematic process for researching, designing, building, and assessing solutions to address specific human and environmental challenges. Through their work on various projects, students will explore broad themes that may include aspects of industrial design, mechanical design, architectural design, control system design, and/or apparel design. Students will develop an awareness of environmental and societal issues related to technological design, and will learn about secondary and post-secondary pathways leading to careers in the field.

**Prerequisite:** None

**Technological Design in the Twenty-first Century, Grade 12, Open**

**TDJ401**

This course focuses on the relationship between society and technological development. Students will use appropriate tools, techniques, and strategies to research, design, build, and assess prototypes for products and/or processes that respond to society's changing needs. Students will describe how social factors, including culture, media, politics, religion, and environmental concerns, influence technological design. Students will also learn about professional practices in the field, and will research post-secondary pathways leading to careers related to technological design.

**Prerequisite:** None

**TECHNOLOGICAL EDUCATION**  
**Transportation Technology**

**Transportation Technology, Grade 10, Open**

**TTJ201**

This course introduces students to the service and maintenance of vehicles, aircraft, and/or watercraft. Students will develop knowledge and skills related to the construction and operation of vehicle/craft systems and learn maintenance and repair techniques. Student projects may include the construction of a self-propelled vehicle or craft, engine service, tire/wheel service, electrical/battery service, and proper body care. Students will develop an awareness of related environmental and societal issues and will explore secondary and post-secondary pathways leading to careers in the transportation industry.

**Prerequisite:** None

**Transportation Technology, Grade 11, College Preparation**

**TTJ3C1**

This course enables students to develop technical knowledge and skills as they study, test, service, and repair engine, electrical, suspension, brake, and steering systems on vehicles, aircraft, and/or watercraft. Students will develop communication and teamwork skills through practical tasks, using a variety of tools and equipment. Students will develop an awareness of environmental and societal issues related to transportation and will learn about apprenticeship and college programs leading to careers in the transportation industry.

**Prerequisite:** None

**Transportation Technology, Auto Service  
Grade 11, College Preparation**

**TTA3C1**

This course enables students to develop technical knowledge and skills as they study, test, service, and repair engine, electrical, suspension, brake, and steering systems on vehicles, aircraft, and/or watercraft. Students will develop communication and teamwork skills through practical tasks, using a variety of tools and equipment. Students will develop an awareness of environmental and societal issues related to transportation and will learn about apprenticeship and college programs leading to careers in the transportation industry.

This course provides an emphasis on Auto Service.

**Prerequisite:** None

**Transportation Technology, Grade 12, College Preparation**

**TTJ4C1**

This course enables students to further develop technical knowledge and skills as they study, test, service, and repair engine management systems; power trains; steering/control, suspension, brake, and body systems on vehicles, aircraft, and/or watercraft; and/or small engine products. Students will refine communication and teamwork skills through practical tasks, using a variety of tools and equipment. Students will expand their awareness of environmental and societal issues related to transportation and their knowledge of apprenticeship and college programs leading to careers in the transportation industry.

**Prerequisite:** Transportation Technology, College Preparation, Grade 11 (TTJ3C1)

**Note:** *This course is offered as a 1 or 2 credit course. This is a required course for students enrolled in SHSM in Transportation.*

**2 credit course = TTJ4C2 \* (SHSM); 1 credit course = TTJ 4C1**

<p><b>Specialist High Skills Major - Transportation</b></p>
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**Transportation Technology, Grade 12, College Preparation**

**TTJ4C2**

This program allows students to focus on a career path in transportation technology in grades 11 and 12. The program enables students to gain important skills on the job and at school. Students will earn certifications that are beneficial to this field.

Students who complete all the requirements of the SHSM program will have this notification on their official transcript and on their Ontario Secondary School Diploma.

Speak to the transportation technology teacher, the technological studies department head or a guidance counsellor for the specific requirements of this program.

## Glendale High School- Course Offerings 2022-2023

SUBJECT		GRADE 10	GRADE 11	GRADE 12
THE ARTS	DANCE	ATC2O1	ATC3M1	ATC4M1
	DRAMA	ADA2O1	ADA3O1 ADA3M1	ADA4M1
	MUSIC Guitar Band	AMI2O1 AMG2O1 AMR2OC	AMI3M1 AMG3M1 AMR3MB	AMI4M1 AMG4M1 AMR3MC
	VISUAL ARTS	AVI2O1	AVI3O1 AVI3M1 AWA3O1	AVI4M1
BUSINESS STUDIES		BBI2O1	BAF3M1 BMX3E1* BMI3C1 BDI3C1*	BOH4M
CANADIAN AND WORLD STUDIES	GEOGRAPHY		CGF3M1 CGG30	CGW4U1 CGW4C1 CGR4M1 CGR4E1*
	HISTORY	<b>CHC2D1</b> <b>CHC2P1</b> <b>CHC2PL</b> <b>CHV2O5</b>	CHW3M1 CLU3E1 CLU3M1	CHY4U1 CHM4E1 CLN4U1 CLN4C1
CO-OP			GWL3OD++ DCO3OW++	GLN4OD++
ENGLISH	ENGLISH (COMPULSORY)	<b>ENG2D1</b> <b>ENG2P1</b> <b>ENG2L1</b>	<b>ENG3U1</b> <b>ENG3C1</b> <b>ENG3E1</b>	<b>ENG4U1</b> <b>ENG4C1</b> <b>ENG4E1</b>
	ENGLISH (OPTIONAL)			EWC4U1
	LITERACY COURSE			OLC4O1
FRENCH		FSF2D1 FSF2P1	FSF3U1	FSF4U1
GUIDANCE		<b>GLC2O5</b>	GPP3O1	
HEALTH & PE		PAF2OC PPL2OF PPL2OM	PAL3OC PPL3OF PPL3OM PPZ3CA	PPL4O1 PSK4U1 PLF4M1
MATH		<b>MPM2D1</b> <b>MFM2P1</b> <b>MAT2L1</b>	<b>MCR3U1</b> <b>MCF3M1</b> <b>MBF3C1</b> <b>MEL3E1</b>	MCV4U1 MDM4U1 MHF4U1 MAP4C1 MCT4C1 MEL4E1
NATIVE STUDIES			NBV3C1 NDA3M1	
SCIENCE	General	<b>SNC2D1</b> <b>SNC2P1</b> <b>SNC2L1</b>		
	Biology		SBI3U1 SBI3C1	SBI4U1
	Chemistry		SCH3U1	SCH4U1 SCH4C1
	Physics		SPH3U1	SPH4U1
	Environmental		SVN3E1	
SOCIAL & HUMANITIES	SCIENCES Family Studies	HFN2O1	HFC3E1 HSG3M1 HPW3C1 HSP3C1 HSP3U1	HFA4U1 HFL4E1 HIP4O1 HSB4U1

Technology				
	Construction	TCJ2O1	TCJ3C1 TWJ3E1	TCJ4C1 TWJ4E1
	Green Industries	THJ2O1	THJ3M1 THJ3E1	THJ4M1 THJ4E1
	Manufacturing	TMJ2O1	TMJ3C1 TMJ3E1	TMJ4C1 TMJ4E1
	Design		TDJ3O1	TDJ4O1
	Transportation	TTJ2O1	TTJ3C1 TTA3C1	TTJ4C1 TTJ4C2++

**PLEASE NOTE:**

Courses in **bold** are compulsory courses, you must select 1 compulsory course from each box, for your grade level

\* indicates course will be offered in the 2022-2023 school year

++ indicates the course is a 2-credit course

**AMR2OB, AMR2OC, AMR3MB, AMR3MC** (band repertoire) are full year ½ credit courses offered outside regular school day

***Cooperative Education** – GWL3OD is the course code to register for co-op. It is a 2-credit course. Cooperative Education credits must be linked to courses you have already earned credits in or will earn at the same time as your co-op credit.*