I.E. Weldon Secondary School

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Course Calendar
&
Programs and Services
2025-2026

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Message From the Principal

Welcome to the **I.E. Weldon Course Calendar**. As a member of the Wildcat community you have the ability to select from a wide range of courses designed to allow you to explore your interests and pursue your goals.

Selecting courses for next year is one of the most important choices you will make. Please take the time to review these course options with your family and Guidance Counsellor to ensure you select the courses most appropriate to ensure you can pursue your future pathway. This is your opportunity to invest in your future! Please take advantage of it and the resources available to you.

Best wishes for an exciting and rewarding future!

Denise De Paola
Principal
I.E. Weldon Secondary School

Our Philosophy

CURIOSITY, INDUSTRY, ENLIGHTENMENT

I. E. Weldon Secondary School is committed to an educational program through the combined efforts of students, parents/guardians/caregivers, staff, and the community.

We believe that all students can learn in a safe environment that nurtures, challenges, and enables individuals to explore possibilities and achieve their full potential. Students will develop skills that allow them to contribute to the community as responsible citizens in a global and technological society. Moreover, it is our goal to instill in our students an enjoyment of learning and a curiosity about the world that will last a lifetime.

For More Information

Visit: iew.tldsb.on.ca

Each of the secondary schools in Trillium Lakelands District School Board has a website. To learn more about your school for next year, visit the Trillium Lakelands District School Board's website at www.tldsb.on.ca.

E-Learning Credits & Opt Out Information

ONLINE LEARNING GRADUATION REQUIREMENT

Students are required to earn **two online learning credits** to graduate from secondary school, beginning with every student who entered Grade 9 in the 2020-21 school year. The graduation requirement is intended to support students in developing familiarity and comfort with learning and working in a fully online environment, as well as developing digital literacy and other important transferable skills that they will need for success after secondary school, including in post-secondary education and the workplace.

Definition of "online learning" for this graduation requirement:

- Online learning credits that count towards the requirement are earned through courses that rely primarily on communication between students and educators through the internet or another digital platform.
- Online learning credits that count do not generally require students to be physically present with one another or with their educator in the school, except where required for:
    - examinations and other final evaluations
    - occasional meetings with educators and other school staff, and
    - access to internet connectivity, learning devices, or other supports (for example, guidance, special education and mental health and well-being supports, and required initial assessment and in-person learning for English language learners and students of Actualisation linguistique en français (ALF) or Programme d'appui aux nouveaux arrivants (PANA) at their early stages of language acquisition)
- In online learning courses delivered by schools in the publicly funded education system, coursework is teacher-led.
- Students from the same online class may follow different timetables and be from different schools or school boards.
- Students in publicly funded schools complete their online coursework with the support of a certified Ontario educator with whom they communicate, and who provides instruction, ongoing feedback, assessment, evaluation and reporting as needed, including implementing any accommodations and/or modifications identified in the student's Individual Education Plan.

In-person courses that use digital learning tools in a physical classroom do not count towards the online graduation requirement, nor do remote learning courses that rely on a minimum requirement for synchronous learning.

There is one exception: **Up to one** secondary school credit that was completed by students who were in Grade 9 during the province-wide school closures (from April 2021 to June 2021) may be counted towards the graduation requirement, in recognition of the extraordinary circumstances of the COVID19 pandemic. Selection of courses should consider future pathways, the ability and interests of the student to learn in a fully online environment and any potential supports that may be needed. Meeting the online learning graduation requirement should not pose a barrier to graduation for students. As with all learning, students taking online courses will have access to the supports they need through their school, (e.g., guidance, nutrition programs, extra-curricular activities and services for English-language learners). If a student in a publicly funded school has an Individual Education Plan, the plan should be shared, when appropriate, with an educator instructing an online course delivered by another publicly funded school board, with the necessary consent.

Opt-Out of E-Learning Graduation Requirement

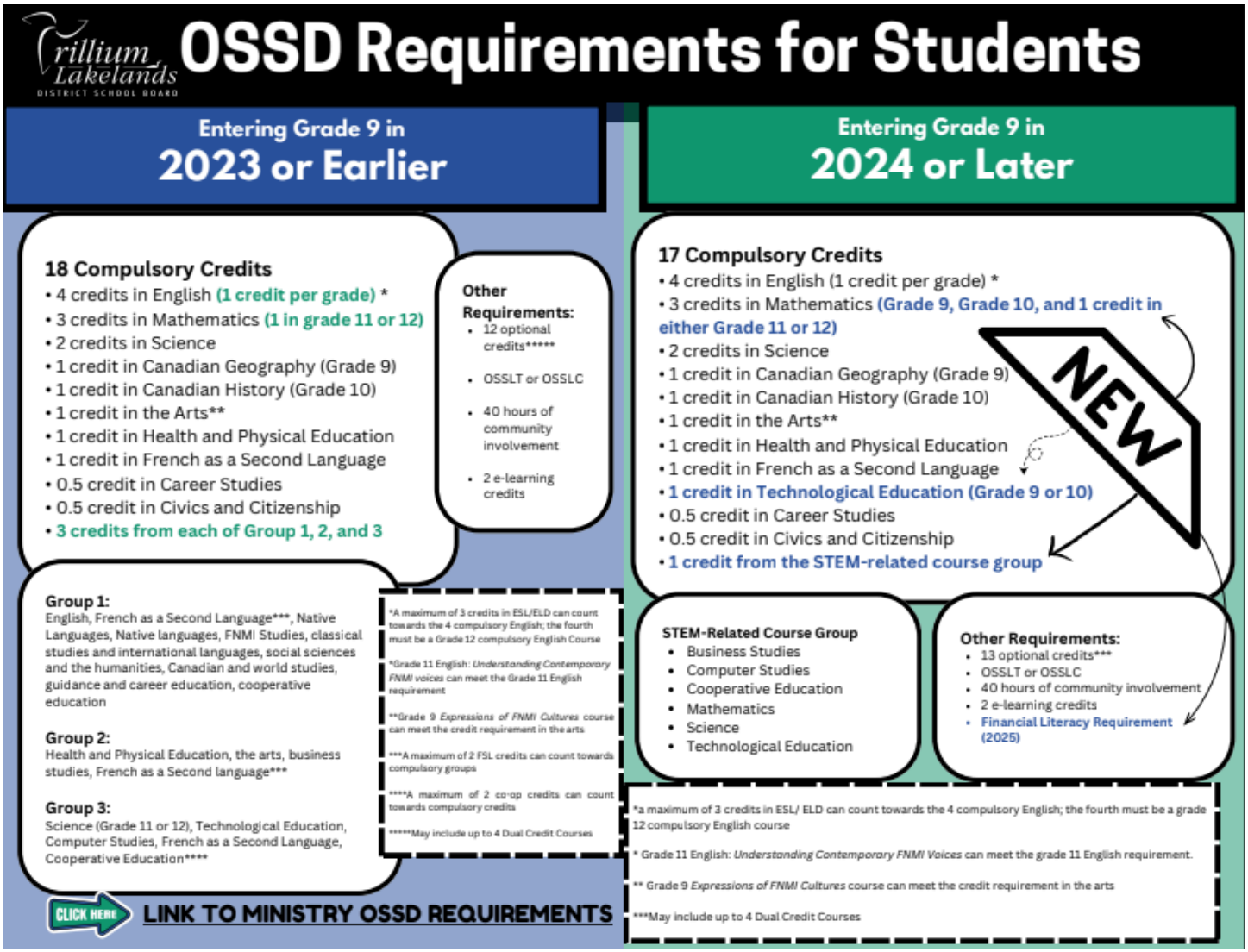
Parents/guardians may choose to opt their children out of the mandatory online learning credits required for graduation. To opt out, a parent/guardian must submit an opt-out form to the school. Students 18 years of age or older, or who are 16 or 17 years of age and have withdrawn from parental control, can also opt out of the graduation requirement by submitting an opt-out form to the school. School boards must also allow for students and parents/guardians to opt back into the online learning graduation requirement should their decision change.

If you wish to opt out of the E-Learning Requirement, please scan the QR Code below and have a parent/guardian fill out the form. If you are viewing this document online, you can click the link below to access the form.

Please contact infoweldon@tldsb.on.ca for further information.

What Do You Need to Graduate?

ONTARIO SECONDARY SCHOOL DIPLOMA (OSSD)



ONTARIO SECONDARY SCHOOL CERTIFICATE (OSSC)

To be granted an OSSC, a student must have earned a minimum of 14 credits, distributed as follows:
7 required compulsory credits

- 2 credits in English
- 1 credit in mathematics
- 1 credit in science
- 1 credit in Canadian history or Canadian geography
- 1 credit in health and physical education
- 1 credit in the arts, computer studies, or technological education
- 7 optional credits selected by the student from available courses

CERTIFICATE OF ACCOMPLISHMENT (COA)

Students who leave school before fulfilling the requirements for the Ontario Secondary School Diploma or the Ontario Secondary School Certificate may be granted a Certificate of Accomplishment.

Note: Students working towards OSSC or COA will work with support from Specialized Services and/or Guidance.

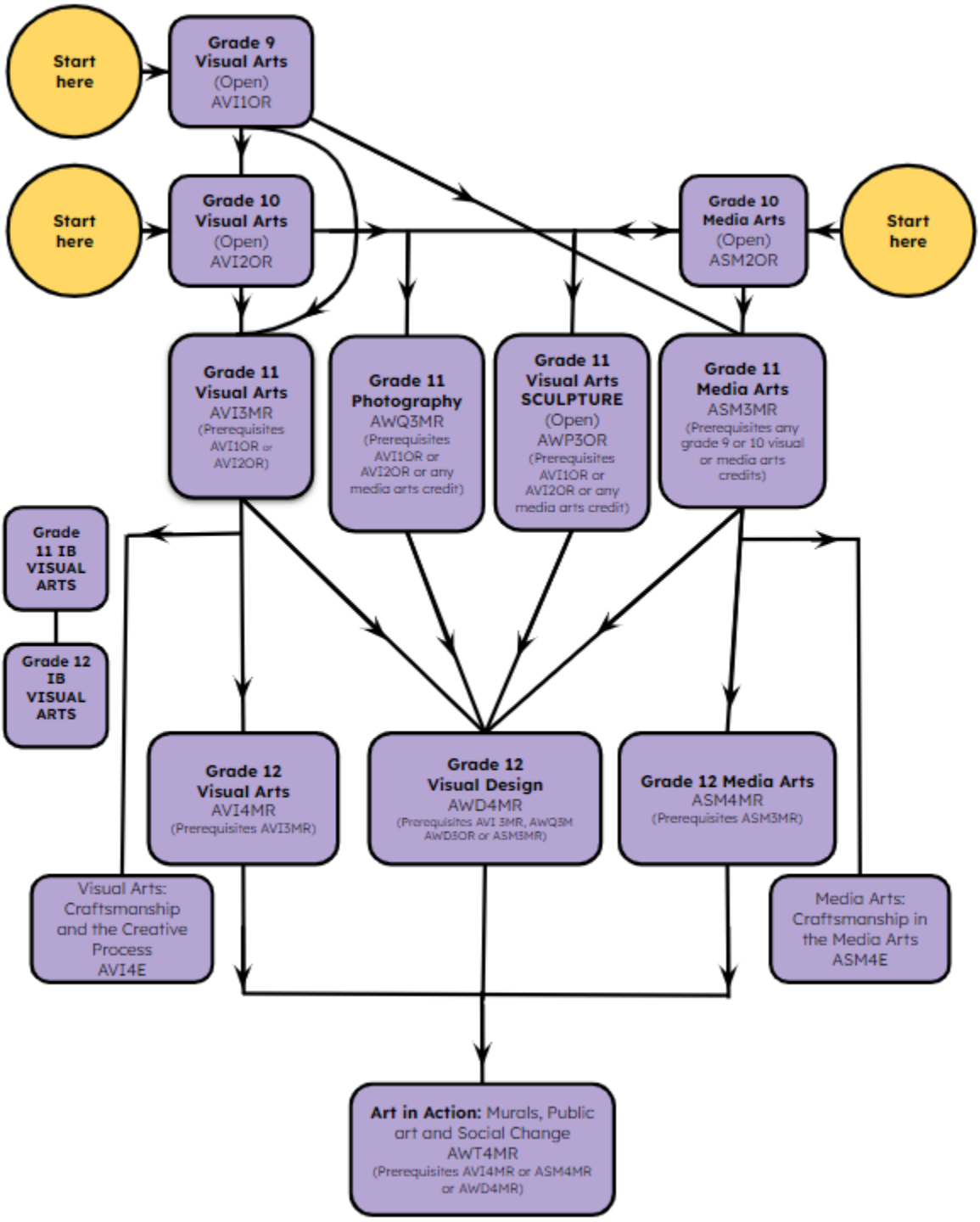
THE ARTS

Dance, Drama, Music, Media Arts, Visual Arts

This chart maps out all the courses in the discipline. See course descriptions for specific course prerequisites.

Grade 9	Grade 10	Grade 11	Grade 12
ATC1OR **Dance** **Open**	**ATC2OR** Dance *Open*	**ATC3MR** Dance *College/University*	**ATC4MR** Dance *College/University*
ADA1OR Drama *Open*	**ADA2OR** Drama *Open*	**ADA3MR** Drama *University/College*	**ADA4MR** Drama *University/College*
AMU1OR Music *Open*	**AMU2OR** Music *Open*	**AMU3MR** Music *University/College*	**AMU4MR** Music *University/College*
Note: Instruments are provided for student use			
	ASM2OR Media Arts *Open*	**ASM3MR** Media Arts *University/College*	**ASM4MR** Media Arts *University/College*
AVI1OR Visual Arts *Open*	**AVI2OR** Visual Arts *Open*	**AVI3MR** Visual Arts *University/College* **AWP3OR** Visual Arts-Sculpture *Open* **AWQ3MR** Photography *University/College*	**AVI4ER** Visual Arts *Workplace* **AVI4MR** Visual Arts *University/College* **AWD4MR** Visual Design *University/College* **AWT4MR** Art in Action *University/College*

Media and Visual Arts Pathway Chart



ARTS - Dance

Grade: 9

DANCE (OPEN) ATC1OR

This course gives students the opportunity to explore their technical and compositional skills by applying the elements of dance and the tools of composition in a variety of performance situations. Students will generate movement through structured and unstructured improvisation, demonstrate an understanding of safe practices with regard to themselves and others in the dance environment, and identify the function and significance of dance within the global community.

Grade: 10

DANCE (OPEN) ATC2OR

Recommended background: ATC1OR or previous dance experience

This course emphasizes the development of students' technique 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.

Grade: 11

DANCE (UNIVERSITY/COLLEGE) ATC3MR

Prerequisite: previous dance experience or ATC2OR

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.

Grade: 12

DANCE (UNIVERSITY/COLLEGE) ATC4MR

Prerequisite: previous dance experience or ATC3MR

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.

ARTS - Drama

Grade: 9

DRAMA (OPEN) ADA1OR

This course provides opportunities for students to explore dramatic forms and techniques, using material from a wide range of sources and cultures. Students will use the elements of drama to examine situations and issues that are relevant to their lives. Students will create, perform, discuss, and analyse drama, and then reflect on the experiences to develop an understanding of themselves, the art form, and the world around them. This is a beginner drama course - no experience is required.

Grade: 10

DRAMA (OPEN) ADA2OR

Recommended background: ADA1OR

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. This is a continuation of ADA1OR. It is recommended that students have experience in drama to take this course.

Grade: 11

DRAMA (UNIVERSITY/COLLEGE) ADA3MR

Prerequisite: ADA1OR or ADA2OR

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

Grade: 12

DRAMA (UNIVERSITY/COLLEGE) ADA4MR

Prerequisite: ADA3MR

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 analyse how the knowledge and skills developed in drama are related to their personal skills, social awareness, and goals beyond secondary school.

ARTS - Music

Grade: 9

MUSIC (OPEN) AMU1OR

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. This is a beginner level course. No experience is required. Students will learn to play a wind band instrument AND basic guitar.

**Instruments are provided for student use.*

Grade: 10

MUSIC (OPEN) AMU2OR

Recommended background: AMU1OR or previous music experience

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. Students enrolling in this course should have experience on a wind band instrument (flute, clarinet, saxophone, trumpet, trombone, baritone, tuba, bass guitar, or percussion), and should be able to read staff notated music.

**Instruments are provided for student use.*

Grade: 11

MUSIC (UNIVERSITY/COLLEGE) AMU3MR

Prerequisite: AMU1OR or AMU2OR

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

**Instruments are provided for student use.*

Grade: 12

MUSIC (UNIVERSITY/COLLEGE) AMU4MR

Prerequisite: AMU3MR

This course enables students to enhance their musical literacy through the creation, appreciation, analysis, and performance of music. Students will perform traditional, commercial, and art music, and will respond with insight to live and recorded performances. Students will enhance their understanding of the function of music in society and the impact of music on themselves and various communities and cultures. Students will analyse how to apply skills developed in music to their life and careers.

**Instruments are provided for student use.*

ARTS - Media Arts

Grade: 10
MEDIA ARTS (OPEN) ASM2OR
Prerequisite: None
This course enables students to create media art works by exploring new media, emerging technologies such as digital animation, and a variety of traditional art forms such as film, photography, video, and visual arts. Students will acquire communications skills that are transferable beyond the media arts classroom and develop an understanding of responsible practices related to the creative process. Students will develop the skills necessary to create and interpret media art works. At Weldon this course includes: Stop-motion animation, video projects, advertising, film, public service announcements, and more.

Grade: 11
MEDIA ARTS (UNIVERSITY/COLLEGE) ASM3MR
Prerequisite: ASM2OR
This course focuses on the development of media arts skills through the production of art works involving traditional and emerging technologies, tools, and techniques such as new media, computer animation, and web environments. Students will explore the evolution of media arts as an extension of traditional art forms, use the creative process to produce effective media art works, and critically analyse the unique characteristics of this art form. Students will examine the role of media artists in shaping audience perceptions of identity, culture, and values. At Weldon this course includes: Photoshop skills, retroscope animation, short films, and more.

Grade: 12
MEDIA ARTS (WORKPLACE PREPARATION) ASM4ER
This course focuses on a practical approach to a variety of media arts challenges related to the interests of the student and provides students with opportunities to examine media arts in relation to the world of work. Students will develop works that express their views on contemporary issues and will create portfolios suitable for use in post - secondary work experiences. Students will critically analyse the role of media artists in shaping audience perceptions of identity, culture, and community values, particularly within the context of the workplace.
NOTE: This course runs every other year; running 2025-2026.

Grade: 12
MEDIA ARTS (UNIVERSITY/COLLEGE) ASM4MR
Prerequisite: ASM3MR
This course emphasizes the refinement of media arts skills through the creation of a thematic body of work by applying traditional and emerging technologies, tools, and techniques such as multimedia, computer animation, installation art, and performance art. Students will develop works that express their views on contemporary issues and will create portfolios suitable for use in either career or postsecondary education applications. Students will critically analyse the role of media artists in shaping audience perceptions of identity, culture, and community values. At Weldon this course includes: animation, short films, film reviews, and more.

ARTS - Visual Arts

Grade: 9
VISUAL ARTS (OPEN) AVI1OR
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. At Weldon this course includes: painting, ceramics, drawing, print-making, art history, and more.

Grade: 10
VISUAL ARTS (OPEN) AVI2OR
Prerequisite: None
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. At Weldon this course includes: painting, ceramics, drawing, print-making, art history, and more.

Grade: 11
VISUAL ARTS-SCULPTURE (OPEN) AWP3OR
Prerequisite: None
This course introduces students to sculpture and three dimensional art. Students will develop and refine techniques while working with a variety of materials to create individual and collaborative sculptures in wire, clay, plaster and other media. Opportunities to make 3D art while working with community partners and the technology department will be emphasized.

Grade: 11
VISUAL ARTS (UNIVERSITY/COLLEGE) AVI3MR
Prerequisite: AVI1OR or AVI2OR
This course enables students to further develop their knowledge and skills in visual arts. Students will use the creative process to explore a wide range of themes through studio work that may include drawing, painting, sculpting, and printmaking, as well as the creation of collage, multimedia works, and works using emerging technologies. Students will use the critical analysis process when evaluating their own work and the work of others. At Weldon this course includes: painting, drawing, print-making, art history, and more.

Grade: 11
PHOTOGRAPHY (UNIVERSITY/COLLEGE) AWQ3MR
Prerequisite: AVI1OR or AVI2OR or any Media Arts credit
This course is an introduction to basic photography skills with a digital focus; includes theory and photo history. Students will have the opportunity to work with Digital Photography in the following units: Technical, Personal, Commercial, Fine Art, Documentary, Retail, and Impact Photography.

Grade: 12
VISUAL ARTS (WORKPLACE PREPARATION) AVI4ER
This course focuses on a practical approach to a variety of art and design projects related to the workplace. Students will use the creative process to produce a traditional and/or digital portfolio of their work in a variety of media. Students may focus on various aspects of visual arts, including advertising, ceramics, fashion design, graphic arts, jewelry design, and/or web design.
***NOTE: This course runs every other year; running 2026-2027.**

Grade: 12
VISUAL ARTS (UNIVERSITY/COLLEGE) AVI4MR
Prerequisite: AVI3MR
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.

Grade: 12
VISUAL DESIGN (UNIVERSITY/COLLEGE) AWD4MR
Prerequisite: AVI3MR or ASM3MR
The course is based around the premise of building a design business and its 'brand' and then accepting authentic design commissions to build a design portfolio featuring concepts and work from a variety of design disciplines such as graphic, interior, textile, industrial and fashion design.

Grade: 12 (UNIVERSITY/COLLEGE) AWT4MR
ART IN ACTION: MURALS, PUBLIC ART AND SOCIAL CHANGE
Prerequisite: AVI4MR or ASM4MR or AWD4MR
This course is designed for students who are ready to take action with their art skills in a collaborative setting with projects that respond to community needs. What is the role of art in our community? How can art be used to reflect or respond to our community in new ways? This capstone course is meant as an opportunity for experienced art students to take action with their art skills with ambitious projects that build skills for engaging in their community as active artist-citizens. It is designed for students who have successfully completed a grade 12M level course in visual arts, media arts or design.

BUSINESS STUDIES

This chart maps out all the courses in the discipline. See course descriptions for specific course prerequisites.

Grade 9	Grade 10	Grade 11	Grade 12
	BEP2OR Launching and Leading a Business *Open*	**BAF3MR** Intro to Financial Accounting *University/College*	**BOH4MR** Business Leadership: Management Fundamentals *University/College*
		BMI3CR Introduction to Marketing *College*	**BDV4CR** Entrepreneurial Studies: Venture Planning *College*
			BTX4ER Information and Communication Technology in the Workplace

Business Studies

Grade: 10
LAUNCHING AND LEADING A BUSINESS (OPEN) BEP2OR
Prerequisite: None
This course introduces students to the world of business and what is required to be successful, ethical, and responsible in today's economy. Students will develop the knowledge and skills needed to be an entrepreneur who knows how to respond to local and global market opportunities. Throughout the course, students will explore and understand the responsibility of managing different functions of a business. This includes accounting, marketing, information and communication technology, financial management, human resources, and production.

Grade: 11
INTRODUCTION TO FINANCIAL ACCOUNTING (UNIVERSITY/COLLEGE) BAF3MR
Prerequisite: None
This course introduces students to the fundamental principles and procedures of accounting. Students will develop financial analysis and decision-making skills that will assist them in future studies and/or career opportunities in business. Students will acquire an understanding of accounting for a service and a merchandising business, computerized accounting, financial analysis, and ethics and current issues in accounting.

Grade: 11
INTRODUCTION TO MARKETING (COLLEGE) BMI3CR
Prerequisite: None
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.

Grade: 12
ENTREPRENEURIAL STUDIES: VENTURE PLANNING (COLLEGE) BDV4CR
Prerequisite: None
This course provides students with the opportunity to develop and apply entrepreneurial skills through the creation of a venture plan that capitalizes on the potential of e-commerce. Students will research and identify an opportunity for a venture. They will then complete the components of a venture plan that includes a website.

Grade: 12

BUSINESS LEADERSHIP:MANAGEMENT FUNDAMENTALS (UNIVERSITY/COLLEGE) BOH4MR

Prerequisite: None

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

Grade: 12

INFORMATION AND COMMUNICATION TECHNOLOGY IN THE WORKPLACE (WORKPLACE PREPARATION) BTX4ER

Prerequisite: None

This course provides students with the opportunity to further develop essential workplace skills in information and communication technology while working in a team environment. Using a project-based approach, students will focus on integrating software applications and applying multimedia software features. Students will expand their understanding of electronic business and e-commerce environments and workplace ethics.This course will prepare students for a successful transition from secondary school to the workplace.

CANADIAN AND WORLD STUDIES (CAWS)

Geography, History, Civics, Law, Indigenous Studies.
This chart maps out all the courses in the discipline. ***Students are required to take one credit each of grade 9 Geography, grade 10 History and grade 10 Civics.*** *See course descriptions for specific grade 11 and 12 courses' prerequisites.*

Grade 9	Grade 10	Grade 11	Grade 12
CGC1WR Exploring Canadian Geography *Destreamed*			**CGR4MR** Environment and Resource Management *University/College*
	CHC2DR Canadian History Since World War 1 *Academic* **CHC2PR** Canadian History Since World War 1 *Applied* **CHC2LR** Canadian History Since World War 1 *Workplace*	**CHW3MR** World History to the End of the Fifteenth Century *University/College*	**CHY4CR** World History Since the Fifteenth Century *College* **CHY4UR** World History Since the Fifteenth Century *University*
			NDW4MR Issues of Indigenous Peoples in a Global Context University/College
	CHV2OR Civics and Citizenship (half credit) *Open*	**CLU3ER** Understanding Canadian Law *Workplace* **CLU3MR** Understanding Canadian Law *University/College*	**CLN4CR** Legal Studies *College* **CLN4UR** Canadian and International Law *University*

CAWS - Geography

Grade: 9
EXPLORING CANADIAN GEOGRAPHY (DESTREAMED) CGC1WR

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

Grade: 12
ENVIRONMENT AND RESOURCE MANAGEMENT (UNIVERSITY/COLLEGE) CGR4MR

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

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

CAWS - History

Grade: 10
CANADIAN HISTORY SINCE WORLD WAR I (ACADEMIC) CHC2DR

This course explores social, economic, and political developments and events and their impact on the lives of different individuals, groups, and communities, including First Nations, Métis, and Inuit individuals and communities, in Canada since 1914. Students will examine the role of conflict and cooperation in Canadian society, Canada's evolving role within the global community, and the impact of various individuals, organizations, and events on identities, citizenship, and heritage in Canada. Students will develop an understanding of some of the political developments and government policies that have had a lasting impact on First Nations, Métis, and Inuit individuals and communities. They will develop their ability to apply the concepts of historical thinking and the historical inquiry process, including the interpretation and analysis of evidence, when investigating key issues and events in Canadian history since 1914.

Grade: 10
CANADIAN HISTORY SINCE WORLD WAR I (APPLIED) CHC2PR

This course focuses on the social context of historical developments and events and how they have affected the lives of people in Canada, including First Nations, Métis, and Inuit individuals and communities, since 1914. Students will explore interactions between various communities in Canada as well as contributions of individuals and groups to heritage and identities in Canada. Students will develop an understanding of some key political developments and government policies that have had an impact on First Nations, Métis, and Inuit individuals and communities. They will develop their ability to apply the concepts of historical thinking and the historical inquiry process, including the interpretation and analysis of evidence, when investigating the continuing relevance of historical developments and how they have helped shape communities in present-day Canada.

Grade: 10
CANADIAN HISTORY SINCE WORLD WAR I (LOCALLY DEVELOPED) CHC2LR

This course focuses on the connections between the student and key people, events and themes in Canadian contemporary studies. Students prepare for Grade 11 Canadian and World Studies Workplace Preparation courses through the development and extension of historical literacy skills and critical-thinking skills. Students explore a variety of topics highlighting individuals and events that have contributed to the story of Canada. The major themes of Canadian identity, internal and external relationships and changes since 1914, are explored through guided investigation. Students have the opportunity to extend analytical skills with a focus on identifying and interpreting events and perspectives and making connections. Students practise reading, writing, visual, and oral literacy skills to identify and communicate ideas in a variety of media.

Grade: 11
WORLD HISTORY TO THE END OF THE FIFTEENTH CENTURY (UNIVERSITY/COLLEGE) CHW3MR
Prerequisite: CHC2DR or CHC2PR
This course explores the history of various societies and civilizations around the world, from earliest times to around 1500 CE. Students will investigate a range of factors that contributed to the rise, success, and decline of various ancient and pre-modern societies throughout the world and will examine life in and the cultural and political legacy of these societies. Students will extend their ability to apply the concepts of historical thinking and the historical inquiry process, including the interpretation and analysis of evidence, when investigating social, political, and economic structures and historical forces at work in various societies and in different historical eras.

Grade: 12
ADVENTURES IN WORLD HISTORY (WORKPLACE PREPARATION) CHM4ER
Prerequisite: CHC2LR or CHC2PR or CHC2DR
This course examines significant developments and events in world history from earliest times to the present. Students will explore a variety of social, cultural, economic, and political developments in different regions of the world and during different periods. In addition to investigating how conflict, religion, work, and technology have helped shape people's lives, students will examine the contributions of some significant individuals to our global heritage. 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.
***NOTE: This course runs every other year; running 2026-2027.**

Grade: 12
WORLD HISTORY: WORLD HISTORY FROM THE 15TH CENTURY (COLLEGE) CHY4CR
Prerequisite: Any university or university/college or college preparation course in Canadian and World Studies, English, or Social Sciences and Humanities
This course explores key developments and events in world history since approximately 1450, with a focus on interactions within and between various regions. Students will examine social, economic, and political developments and how they have affected different peoples. Students will extend their ability to apply the concepts of historical thinking and the historical inquiry process, including the interpretation and analysis of evidence, when investigating key turning points in world history and historical forces that have shaped our world.

Grade: 12
WORLD HISTORY: WORLD HISTORY FROM THE 15TH CENTURY (UNIVERSITY) CHY4UR
Prerequisite: Any university or university/college preparation course in Canadian and World Studies, English, or Social Sciences and Humanities
This course traces major developments and events in world history since approximately 1450. Students will explore social, economic, and political changes, the historical roots of contemporary issues, and the role of conflict and cooperation in global interrelationships. They will extend their ability to apply the concepts of historical thinking and the historical inquiry process, including the interpretation and analysis of evidence, as they investigate key issues and ideas and assess societal progress or decline in world history.

CAWS - Indigenous Studies

Grade: 12
ISSUES OF INDIGENOUS PEOPLES IN A GLOBAL CONTEXT (UNIVERSITY/COLLEGE) NDW4MR
Prerequisite: Any grade 11 First Nations, Métis and Inuit Studies course or any university, university/college, or college preparation course in Canadian and World Studies, English, or Social Sciences and Humanities.
This course examines global issues from the perspectives of Indigenous peoples. Students will explore the depth and diversity of Indigenous cultures, traditions, and knowledge. Students will consider how diverse Indigenous communities persevere despite current global environmental and economic trends, and will investigate topics such as identity, social justice, human rights, spirituality, resilience, and advocacy for change.

CAWS - Law and Civics

Grade: 10

CIVICS AND CITIZENSHIP (OPEN - half credit) CHV2OR

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

Grade: 11

UNDERSTANDING CANADIAN LAW (WORKPLACE PREPARATION) CLU3ER

Prerequisite: CHC2LR or CHC2PR or CHC2DR

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

Note: This course runs every other year; running 2025-2026.

Grade: 11

UNDERSTANDING CANADIAN LAW (UNIVERSITY/COLLEGE) CLU3MR

Prerequisite: CHC2DR or CHC2PR

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

Note: This course is not a prerequisite for CLN4UR.

Grade: 12

LEGAL STUDIES (COLLEGE) CLN4CR

Prerequisite: CHV2OR

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

Grade: 12

CANADIAN AND INTERNATIONAL LAW (UNIVERSITY) CLN4UR

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

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

COMPUTER STUDIES

This chart maps out all the courses in the discipline. See course descriptions for specific course prerequisites.

Grade 9	Grade 10	Grade 11	Grade 12
		ICS3CR Introduction to Computer Programming *College*	**ICS4CR** Computer Programming *College*
		ICS3UR Introduction to Computer Science *University*	**ICS4UR** Computer Science *University*

Computer Studies

Grade: 11
INTRODUCTION TO COMPUTER PROGRAMMING (COLLEGE) ICS3CR
Prerequisite: none
This course introduces students to computer programming concepts and practices. Students will write and test computer programs, using various problem-solving strategies. They will learn the fundamentals of program design and apply a software development life-cycle model to a software development project. Students will also learn about computer environments and systems, and explore environmental issues related to computers, safe computing practices, emerging technologies, and postsecondary opportunities in computer-related fields.

Grade: 11
INTRODUCTION TO COMPUTER SCIENCE (UNIVERSITY) ICS3UR
Prerequisite: none
This course introduces students to computer science. Students will design software independently and as part of a team, using industry-standard programming tools and applying the software development life-cycle model. They will also write and use subprograms within computer programs. Students will develop creative solutions for various types of problems as their understanding of the computing environment grows. They will also explore environmental and ergonomic issues, emerging research in computer science, and global career trends in computer-related fields.

Grade: 12
COMPUTER PROGRAMMING (COLLEGE) ICS4CR
Prerequisite: ICS3CR
This course further develops students' computer programming skills. Students will learn object-oriented programming concepts, create object-oriented software solutions, and design graphical user interfaces. Student teams will plan and carry out a software development project using industry-standard programming tools and proper project management techniques. Students will also investigate ethical issues in computing and expand their understanding of environmental issues, emerging technologies, and computer-related careers.

Grade: 11
COMPUTER SCIENCE (UNIVERSITY) ICS4UR
Prerequisite: ICS3UR
This course enables students to further develop knowledge and skills in computer science. Students will use modular design principles to create complex and fully documented programs, according to industry standards. Student teams will manage a large software development project, from planning through to project review. Students will also analyse algorithms for effectiveness. They will investigate ethical issues in computing and further explore environmental issues, emerging technologies, areas of research in computer science, and careers in the field.

COOPERATIVE EDUCATION

This chart maps out all the courses in the discipline. See course descriptions for specific course prerequisites.

Grade 9	Grade 10	Grade 11	Grade 12
		Co-op2 **2 CREDIT** Cooperative Education *Open* **Co-op4** **4 CREDIT** Cooperative Education *Open*	**Co-op2** **2 CREDIT** Cooperative Education *Open* **Co-op4** **4 CREDIT** Cooperative Education *Open*
			OYAP4R **4 CREDIT** Level 1 Accelerated OYAP *Open*

Cooperative Education (Co-op)

Grade: 11 or 12

COOPERATIVE EDUCATION - 2 CREDIT - half day (OPEN) GLN4OD

COOPERATIVE EDUCATION - 4 CREDIT - full day (OPEN) GLN4OQ

This course consists of a learning experience connected to a community and a cooperative education curriculum that incorporates 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 well-being. 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.

The process includes an application, teacher references, resume, and interview. Co-op teachers will work with students to find an employer in their preferred sector, however, first choice is not guaranteed.

Grade: 12

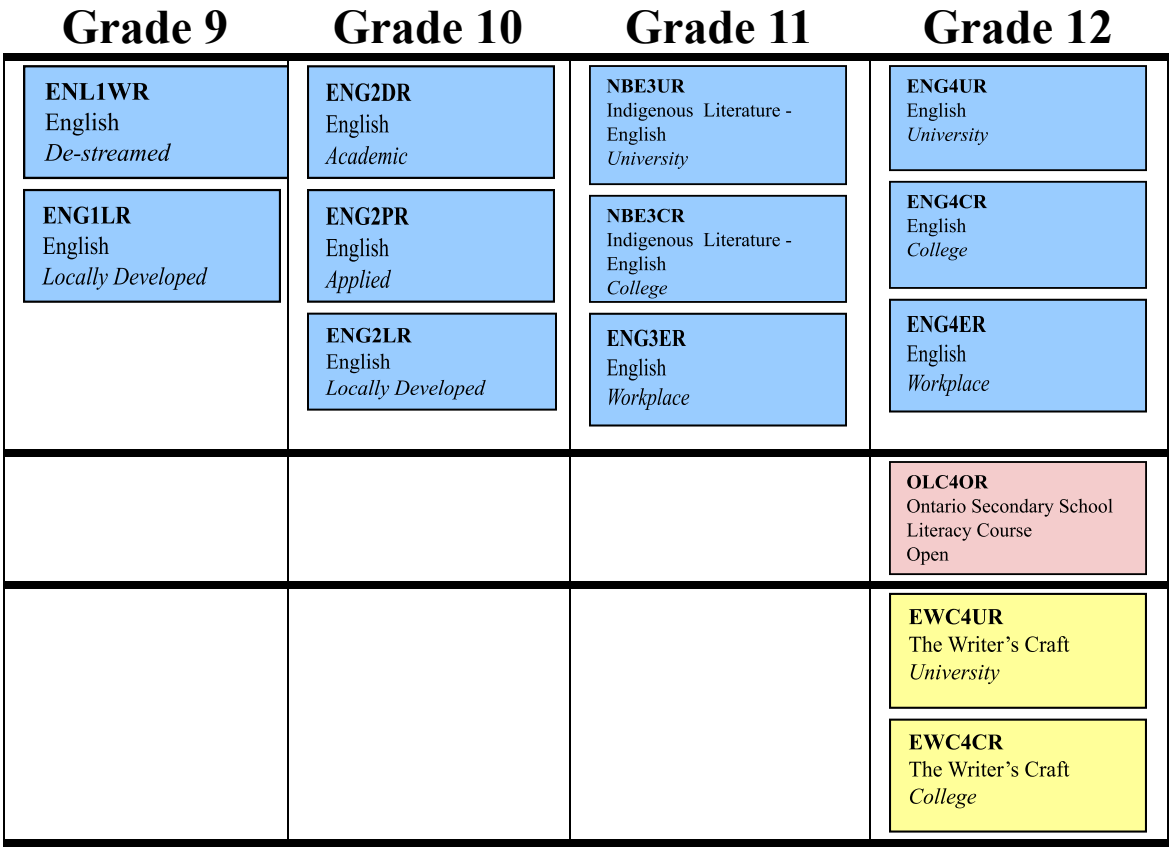
LEVEL 1 ACCELERATED OYAP (OPEN) OYAP4R

Accelerated OYAP (Ontario Youth Apprenticeship Program) is an intensive one-semester program that combines a co-op placement with Level 1 training at a College or Training Delivery Agent. An Accelerated OYAP student becomes a Registered Apprentice with the Ministry of Labour, Immigration, Training and Skills Development (MLITSD). Students will earn 2 or 3 dual credits for the time spent at college/TDA in the Level 1 program. These credits will count toward both their OSSD and their Apprenticeship Certification. Cooperative Education credits are granted for time spent at the workplace.This is a 4 credit program package.

Students must submit an application package in spring of their Grade 11 year. This is a competitive program.

ENGLISH

This chart maps out all the courses in the discipline. See course descriptions for specific course prerequisites.



English

Grade: 9
ENGLISH (DESTREAMED) ENL1WR

This course enables students to continue to develop and consolidate the foundational knowledge and skills that they need for reading, writing, and oral and visual communication. Throughout the course, students will continue to enhance their media literacy and critical literacy skills, and to develop and apply transferable skills, including digital literacy. Students will also make connections to their lived experiences and to society and increase their understanding of the importance of language and literacy across the curriculum.

Grade: 9
ENGLISH (LOCALLY DEVELOPED) ENG1LR

This course provides foundational literacy and communication skills to prepare students for success in their daily lives, in the workplace, and in the English Grade 11 Workplace Preparation course. This course is organized by strands that develop listening and talking skills, reading and viewing skills, and writing skills. In all strands, the focus is on developing foundational 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.

Grade: 10
ENGLISH (ACADEMIC) ENG2DR

Prerequisite: ENL1WR

This course is designed to extend the range of oral communication, reading, writing, and media literacy skills that students need for success in their secondary school academic programs and in their daily lives. Students will analyse literary texts from contemporary and historical periods, interpret and evaluate informational and graphic texts, and create oral, written, and media texts in a variety of forms. An important focus will be on the selective use of strategies that contribute to effective communication. This course is intended to prepare students for the compulsory Grade 11 university or college preparation course.

Grade: 10
ENGLISH (APPLIED) ENG2PR
Prerequisite: ENL1WR
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.

Grade: 10
ENGLISH (LOCALLY DEVELOPED) ENG2LR
Prerequisite: A grade 9 English credit.
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.

Grade: 11
ENGLISH-Indigenous Literature (UNIVERSITY) NBE3UR
Prerequisite: ENG2DR
This course explores the themes, forms, and stylistic elements of a variety of literary, informational, graphic, oral, cultural, and media text forms emerging from First Nations, Métis, and Inuit cultures in Canada, and also examines the perspectives and influence of texts that relate to those cultures. In order to fully understand contemporary text forms and their themes of identity, relationship, and self-determination, sovereignty, or self governance, students will analyse the changing use of text forms by Indigenous authors/ creators from various periods and cultures in expressing ideas related to these themes. Students will also create oral, written, and media texts to explore their own ideas and understanding, focusing on the development of literacy, communication, and critical and creative thinking skills necessary for success in academic and daily life. The course is intended to prepare students for the compulsory Grade 12 English university or college preparation course. This course was formerly ENG3UR.

Grade: 11
ENGLISH-Indigenous Literature (COLLEGE) NBE3CR
Prerequisite: ENG2PR or ENG2DR
This course explores the themes, forms, and stylistic elements of literary, informational, graphic, oral, cultural, and media text forms emerging from First Nations, Métis, and Inuit cultures in Canada, and also looks at the perspectives and influences of texts that relate to those cultures. In order to understand contemporary text forms and their themes of identity, relationship, and self-determination, sovereignty, or self-governance, students will study the use of text forms by Indigenous authors/creators from other periods in expressing ideas related to these themes. Students will also create oral, written, and media texts to explore their own ideas and understanding, focusing on the development of literacy, communication, and critical and creative thinking skills necessary for success in academic and daily life. The course is intended to prepare students for the compulsory Grade 12 English college preparation course.

Grade: 11
ENGLISH (WORKPLACE PREPARATION) ENG3ER
Prerequisite: ENG2LR or ENG2PR
This course emphasizes the development of literacy, critical thinking, and communication skills. Students will study the content, form, and style of informational texts and literary works; write explanations, letters, and reports; and investigate the connections among media forms, audiences, and media industry practices. An important focus will be on using language clearly, accurately, and effectively in a variety of contexts.

Grade: 12
ENGLISH (UNIVERSITY) ENG4UR
Prerequisite: NBE3UR
This course emphasizes consolidation of literacy, critical thinking, and communication skills. Students will analyse a range of challenging texts from various time periods, countries, and cultures; write analytical and argumentative essays and a major paper for an independent literary research project; and apply key concepts to analyse media works. An important focus will be on understanding academic language and using it coherently and confidently in discussion and argument.

Grade: 12
ENGLISH (COLLEGE) ENG4CR
Prerequisite: NBE3CR or NBE3UR
This course emphasizes consolidation of literacy, critical thinking, and communication skills. Students will analyse informational texts and literary works from various time periods, countries, and cultures; write research reports, summaries, and short analytical essays; complete an independent study project; and analyse the interactions among media forms, audiences, and media industry practices. An important focus will be on establishing appropriate style and using business and technical language effectively.

Grade: 12
ENGLISH (WORKPLACE PREPARATION) ENG4ER
Prerequisite: ENG3ER
This course emphasizes consolidation of literacy, critical thinking, and communication skills. Students will study informational texts and literature from various countries and cultures; write summaries, reports, resumes, and short essays; complete an independent research project; and explain the connections among media forms, audiences, and media industry practices. An important focus will be on using specialized language related to the workplace accurately and coherently in appropriate contexts.

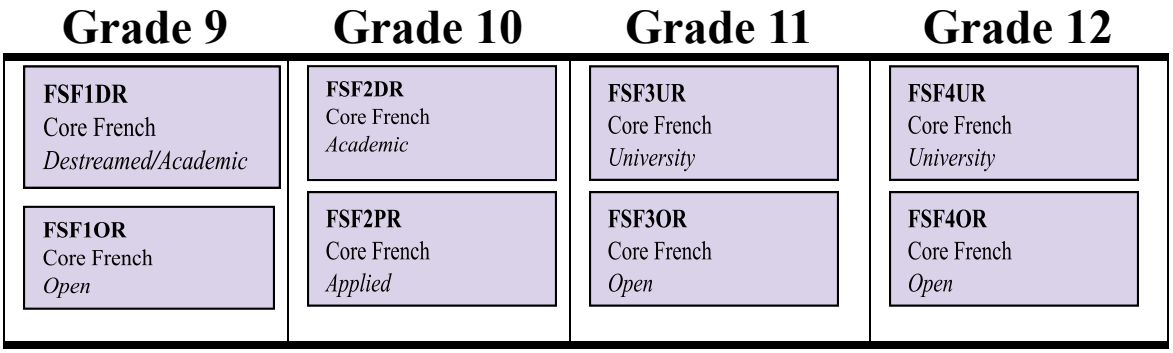
Grade: 12
ONTARIO SECONDARY SCHOOL LITERACY COURSE (OPEN) OLC4OR
Prerequisite: see eligibility below
This course is designed to help students acquire and demonstrate the cross-curricular literacy skills that are evaluated by the Ontario Secondary School Literacy Test (OSSLT). Students who complete the course successfully will meet the provincial literacy requirement for graduation. Students will read a variety of informational, narrative, and graphic texts and will produce a variety of forms of writing, including summaries, information paragraphs, opinion pieces, and news reports. Students will also maintain and manage a portfolio containing a record of their reading experiences and samples of their writing.
Eligibility Requirement: Students who have been eligible to write the OSSLT at least twice and who have been unsuccessful at least once are eligible to take this course. Please contact Guidance and/or Specialized Services.

Grade: 12
WRITER'S CRAFT (UNIVERSITY) EWC4UR
Prerequisite: NBE3UR
This course emphasizes knowledge and skills related to the craft of writing. Students will analyse models of effective writing; use a workshop approach to produce a range of works; identify and use techniques required for specialized forms of writing; and identify effective ways to improve the quality of their writing. They will also complete a major paper as part of a creative or analytical independent study project, and investigate opportunities for publication and for writing careers.

Grade: 12
WRITER'S CRAFT (COLLEGE) EWC4CR
Prerequisite: NBE3CR
This course emphasizes knowledge and skills related to the craft of writing. Students will investigate models of effective writing; use a workshop approach to write a variety of works; and make considered decisions for improving the quality of their writing. They will also complete a creative or analytical independent study project, and investigate opportunities for publication and for writing careers.

FRENCH

This chart maps out all the courses in the discipline. See course descriptions for specific course prerequisites.



Core French

Grade: 9
CORE FRENCH (DESTREAMED/ACADEMIC) FSF1DR

Prerequisite: Minimum of 600 hours of French instruction, or equivalent

This course provides opportunities for students to communicate and interact in French with increasing independence, with a focus on familiar topics related to their daily lives. Students will develop their skills in listening, speaking, reading, and writing by using language learning strategies introduced in the elementary Core French program, and will apply creative and critical thinking skills in various ways. They will also enhance their understanding and appreciation of diverse French-speaking communities, and will develop skills necessary for lifelong language learning.

Grade: 9
CORE FRENCH - BEGINNER (OPEN) FSF1OR

Prerequisite: None

This course provides opportunities for students to begin to develop and apply skills in listening, speaking, reading, and writing in the language of study. Students will communicate and interact in structured activities, with a focus on matters of personal interest and familiar topics, and will read and write simple texts in the language. Throughout the course, students will acquire an understanding and appreciation of diverse communities in regions of the world where the language is spoken. They will also develop skills necessary for lifelong language learning.

Note: Students selecting this course will have fewer than 600 hours of French instruction.

Grade: 10
CORE FRENCH (ACADEMIC) FSF2DR

Prerequisite: FSF1DR

This course provides opportunities for students to communicate in French about personally relevant, familiar, and academic topics in real-life situations with increasing independence. Students will exchange information, ideas, and opinions with others in guided and increasingly spontaneous spoken interactions. Students will develop their skills in listening, speaking, reading, and writing through the selective use of strategies that contribute to effective communication. They will also increase their understanding and appreciation of diverse French-speaking communities, and will develop skills necessary for lifelong language learning.

Grade: 10
CORE FRENCH (APPLIED) FSF2PR

Prerequisite: FSF1DR

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 develop skills necessary for lifelong language learning.

Grade: 11
CORE FRENCH (UNIVERSITY) FSF3UR
Prerequisite: FSF2DR
This course offers students extended opportunities to speak and interact in real-life situations in French with greater independence. Students will develop their creative and critical thinking skills through responding to and exploring a variety of oral and written texts. They will continue to broaden their understanding and appreciation of diverse French-speaking communities and to develop the skills necessary for life-long language learning.

Grade: 11
CORE FRENCH (OPEN) FSF3OR
Prerequisite: FSF2DR or FSF2PR
This course provides opportunities for students to speak and interact in French in real-life situations. Students will continue to develop their communication skills, making connections to previous experiences and using newly acquired language knowledge and skills. They will also continue to increase their understanding and appreciation of diverse French-speaking communities and to develop the skills necessary for life-long language learning.

Grade: 12
CORE FRENCH (UNIVERSITY) FSF4UR
Prerequisite: FSF3UR
This course provides extensive opportunities for students to speak and interact in French independently. Students will apply language-learning strategies in a wide variety of real-life situations, and will continue to develop their creative and critical thinking skills through responding to and interacting with a variety of oral and written texts. Students will also continue to enrich their understanding and appreciation of diverse French-speaking communities and to develop the skills necessary for life-long language learning.

Grade: 12
CORE FRENCH (OPEN) FSF4OR
Prerequisite: FSF3OR or FSF3UR
This course provides a variety of opportunities for students to speak and interact in French. Students will use language learning strategies in a variety of real-life situations and personally relevant contexts. They will continue to develop their creative and critical thinking skills through responding to and interacting with a variety of oral and written texts. Students will also continue to develop their understanding and appreciation of diverse French-speaking communities, as well as the skills necessary for life-long language learning.

FRENCH IMMERSION

This chart maps out all the courses in the discipline. See course descriptions for specific course prerequisites.

French Immersion Certificate: Elementary French Immersion students have the option of continuing on in the program at IE Weldon. After the successful completion of **ten courses** taught in French in high school, students will earn a French Immersion Certificate. Out of catchment students who choose to leave the FI program must return to their home high school.

Grade 9	Grade 10	Grade 11	Grade 12
ALC1OI Integrated Arts *Open/Immersion*	**CHC2DI** Canadian History Since WW I *Academic/Immersion*	**HSP3UI** Anthro,Psych,Soc *University/Immersion*	**FIF4UR** French *University/Immersion*
CGC1WI Exploring Canadian Geography *Destreamed/Immersion*	**GLC2OI - half credit** Career Studies *Open/Immersion*	**FIF3UR** French *University/Immersion*	**FIF4OR** French *Open/Immersion*
FIF1DR French *Academic/Immersion*	**CHV2OI - half credit** Civics *Open/Immersion*	**FIF3OR** French *Open/Immersion*	
PAF1OI Personal Fitness *Open/Immersion*	**FIF2DR** French *Academic/Immersion*		

French Immersion

Grade: 9
INTEGRATED ARTS (OPEN/IMMERSION) ALC1OI
This course integrates drama and visual arts, giving students the opportunity to produce and present integrated artworks created individually or collaboratively. Students will demonstrate innovation as they learn and apply concepts, styles, and conventions unique to the various arts and acquire skills that are transferable beyond the classroom. Students will use the creative process and responsible practices to explore solutions to integrated arts challenges.*NOTE: This course is not a prerequisite for Senior level Visual Arts or Dramatic Arts. Students must take either AVI2OR or ADA2OR as a prerequisite for AVI3MR or ADA3MR.*

Grade: 9
EXPLORING CANADIAN GEOGRAPHY (DESTREAMED/IMMERSION) CGC1WI
This course explores Canada's distinct and changing character and the geographic systems and relationships that shape it. Students will investigate the interactions of natural and human systems within Canada, as well as Canada's economic, cultural, and environmental connections to other countries. Students will use a variety of geotechnologies and inquiry and communication methods to analyse and evaluate geographic issues and present their findings.

Grade: 9
FRENCH (ACADEMIC/IMMERSION) FIF1DR
This course provides opportunities for students to speak and interact in French independently in a variety of real-life and personally relevant contexts. Students will develop their ability to communicate in French with confidence by using language-learning strategies introduced in the elementary French Immersion program. Students will enhance their knowledge of the language through the study of French-Canadian literature. They will also continue to increase their understanding and appreciation of diverse French-speaking communities and to develop the skills necessary to become life-long language learners.

Grade: 9
PERSONAL FITNESS (OPEN/IMMERSION) PAF1OI
This course emphasizes regular participation in a variety of enjoyable physical activities that promote lifelong healthy active living. With a focus on personal fitness, this course provides students with the opportunity to pursue an interest in personal fitness activities. Student learning will include the application of movement principles to refine skills; participation in a variety of activities that enhance personal competence, fitness and health. They will investigate issues related to healthy sexuality and the use and abuse of alcohol, tobacco, and other drugs and will participate in activities designed to develop goal-setting, communication, and social skills.

Grade: 10
CANADIAN HISTORY SINCE WW I (ACADEMIC/IMMERSION) CHC2DI
This course explores the local, national, and global forces that have shaped Canada's national identity from World War I to the present. Students will investigate the challenges presented by economic, social, and technological changes and explore the contributions of individuals and groups to Canadian culture and society during this period. Students will use critical-thinking and communication skills to evaluate various interpretations of the issues and events of the period and to present their own points of view.

Grade: 10
CAREER STUDIES (OPEN/IMMERSION - Half Credit) GLC2OI
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.

Grade: 10
CIVICS (OPEN/IMMERSION - Half Credit) CHV2OI
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 and creatively about public issues and react responsibly to them.

Grade: 10
FRENCH (ACADEMIC/IMMERSION) FIF2DR
Prerequisite: FIF1DR
This course provides students with extensive opportunities to communicate, interact, and think critically and creatively in French. Students will use a variety of language-learning strategies in listening, speaking, reading, and writing, and will respond to and interact with print, oral, visual, and electronic texts. Students will develop their knowledge of the French language through the study of contemporary and historically well-known French European literature. They will also continue to increase their understanding and appreciation of diverse French-speaking communities and to develop the skills necessary to become life-long language learners.

Grade: 11
INTRODUCTION TO ANTHROPOLOGY, PSYCHOLOGY AND SOCIOLOGY (UNIVERSITY/IMMERSION) HSP3UI
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.

Grade: 11
FRENCH (UNIVERSITY/IMMERSION) FIF3UR

Prerequisite: FIF2DR

This course provides opportunities for students to consolidate the communication skills required to speak and interact with increasing confidence and accuracy in French in a variety of academic and social contexts. Students will apply language-learning strategies while exploring a variety of concrete and abstract topics, and will increase their knowledge of the language through the study of French literature from around the world. They will also continue to deepen their understanding and appreciation of diverse French-speaking communities and to develop the skills necessary to become life-long language learners.

Grade: 11
FRENCH (OPEN/IMMERSION) FIF3OR

Prerequisite: FIF2DR

This course provides opportunities for students to speak and interact in French in real-life situations for practical purposes. Students will explore and create a wide variety of texts, with a particular focus on exploring the use of skills related to the study of French that can be applied in the workplace and beyond. Students will also continue to deepen their understanding and appreciation of diverse French-speaking communities and to develop the skills necessary to become life-long language learners.

Grade: 12
FRENCH (UNIVERSITY/IMMERSION) FIF4UR

Prerequisite: FIF3UR and 8 other French Immersion credits.

This course provides students with extensive opportunities to communicate, interact, and think critically and creatively in French. Students will consolidate language-learning strategies and apply them while communicating about concrete and abstract topics, and will independently respond to and interact with a variety of oral and written texts. Students will study a selection of French literature from the Middle Ages to the present. They will also continue to enrich their understanding and appreciation of diverse French-speaking communities and to develop the skills necessary to become life-long language learners.

Grade: 12
FRENCH (OPEN/IMMERSION) FIF4OR

Prerequisite: FIF 3OR or FIF 3UR

This course provides a variety of opportunities for students to speak and interact in French. Students will develop their listening, speaking, reading, and writing skills, use language-learning strategies in a variety of real-life situations and personally relevant contexts, and develop their creative and critical thinking skills through responding to and interacting with a variety of oral and written texts. They will also broaden their understanding and appreciation of diverse French-speaking communities, and will develop skills necessary for lifelong language learning.

GUIDANCE & CAREER EDUCATION

Career Studies and Peer Leadership
This chart maps out all the courses in the discipline.

Grade 9	Grade 10	Grade 11	Grade 12
	GLC2OR Career Studies (half credit) *Open*		
		GPP3OR Leadership and Peer Support - Peer Helping *Open*	

GUIDANCE & CAREER EDUCATION - Career Studies

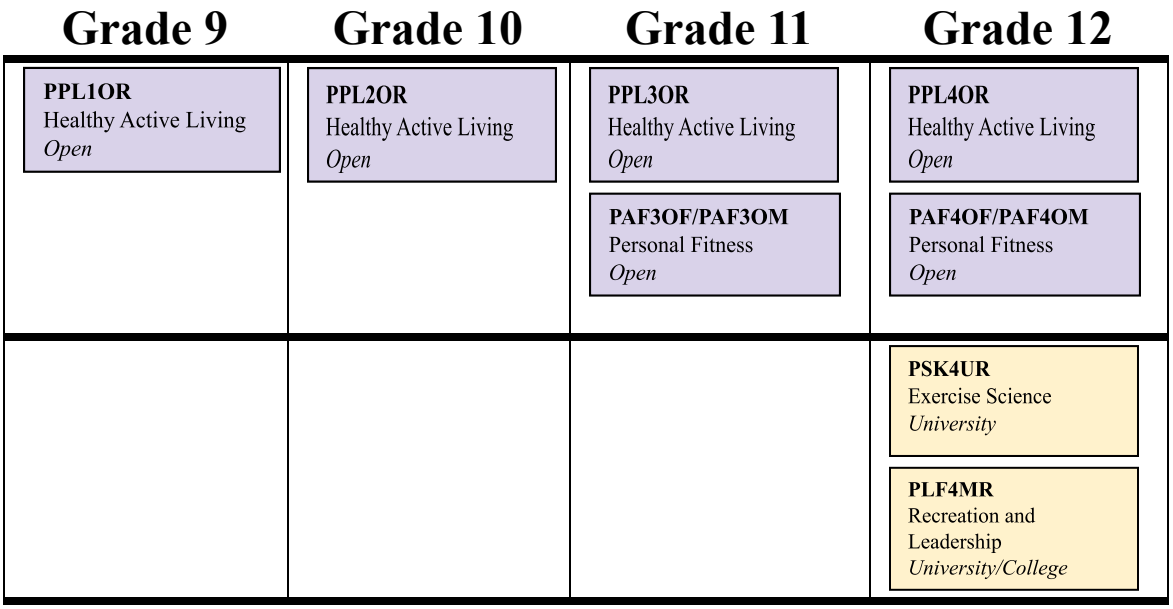
Grade: 10
CAREER STUDIES (OPEN) GLC2OOR
This course teaches students how to develop and achieve personal goals in education and work and contribute to their communities. Student learning will include assessing their own knowledge, skills, and characteristics and investigating economic trends, workplace organization, work opportunities, and ways to search for work. The course explores post-secondary 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.

GUIDANCE & CAREER EDUCATION - Peer Leadership

Grade: 11
LEADERSHIP AND PEER SUPPORT (OPEN) GPP3OR
Prerequisite: None
This course prepares students to act in leadership and peer support roles. Students 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 peer tutor. In this course, students will examine group dynamics and learn the value of diversity within groups and communities.

HEALTH & PHYSICAL EDUCATION

This chart maps out all the courses in the discipline. See course descriptions for specific course prerequisites.



Health and Physical Education

Grade: 9

HEALTHY ACTIVE LIVING (OPEN) PPL1OR

This course equips students with the knowledge and skills they need to make healthy choices now and lead healthy, active lives in the future. Through participation in a wide range of physical activities, students develop knowledge and skills related to movement competence and personal fitness that provide a foundation for active living. Students also acquire an understanding of the factors and skills that contribute to healthy development and learn how their own well-being is affected by, and affects, the world around them. Students build their sense of self, learn to interact positively with others, and develop their ability to think critically and creatively.

Grade: 10

HEALTHY ACTIVE LIVING (OPEN) PPL2OR

This course enables students to further develop the knowledge and skills they need to make healthy choices now and lead healthy, active lives in the future. Through participation in a wide range of physical activities, students develop knowledge and skills related to movement competence and personal fitness that provide a foundation for active living. Students also acquire an understanding of the factors and skills that contribute to healthy development and learn how their own well-being is affected by, and affects, the world around them. Students build their sense of self, learn to interact positively with others, and develop their ability to think critically and creatively.

Grade: 11

HEALTHY ACTIVE LIVING (OPEN) PPL3OR

This course enables students to further develop the knowledge and skills they need to make healthy choices now and lead healthy, active lives in the future. Through participation in a wide range of physical activities and exposure to a broader range of activity settings, students enhance their movement competence, personal fitness, and confidence. Students also acquire an understanding of the factors and skills that contribute to healthy development and learn how their own well-being is affected by, and affects, the world around them. Students build their sense of self, learn to interact positively with others, and develop their ability to think critically and creatively.

Grade: 11

HEALTHY LIVING AND PERSONAL AND FITNESS ACTIVITIES (OPEN) PAF3OF/PAF3OM

This course enables students to further develop the knowledge and skills they need to make healthy choices now and lead healthy, active lives in the future. Through participation in a wide range of physical activities and exposure to a broader range of activity settings, students enhance 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.**This course will focus on many ways to live a fit and active life, including weight training programs and a variety of workouts to improve personal fitness.**

Grade: 12

HEALTHY ACTIVE LIVING (OPEN) PPL4OR

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.

Grade: 12

PERSONAL AND FITNESS ACTIVITIES (OPEN) PAF4OF/PAF4OM

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. **This course will focus on many ways to live a fit and active life, including weight training programs and a variety of workouts to improve personal fitness**

Grade: 12

INTRODUCTORY KINESIOLOGY (UNIVERSITY) PSK4UR

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

This course focuses on the study of human movement and of systems, factors, and principles involved in human development. Students will learn about the effects of physical activity on health and performance, the evolution of physical activity and sport, and the physiological, psychological, and social factors that influence an individual's participation in physical activity and sport. The course prepares students for university programs in physical education and health, kinesiology, health sciences, health studies, recreation, and sports administration.

Grade: 12

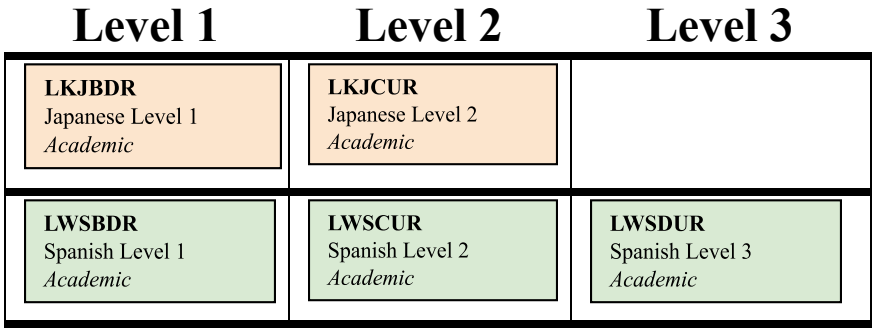
RECREATION AND HEALTHY ACTIVE LIVING LEADERSHIP (New Course) PLF4MR (UNIVERSITY/COLLEGE)

Prerequisite: Any health and physical education course

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.

INTERNATIONAL LANGUAGES

This chart maps out all the courses in the discipline. See course descriptions for specific course prerequisites.



Although students will continue to expand their vocabulary and repertoire of language structures, the language they will use at this level will still be simple.

Japanese

Level 1

JAPANESE (ACADEMIC) LKJBDR

This course provides opportunities for students to begin to develop and apply skills in listening, speaking, reading, and writing in the language of study. Students will communicate and interact in structured activities, with a focus on matters of personal interest and familiar topics, and will read and write simple texts in the language. Throughout the course, students will acquire an understanding and appreciation of diverse communities in regions of the world where the language is spoken. They will also develop skills necessary for lifelong language learning.

Level 2

JAPANESE (ACADEMIC) LKJCUR

Prerequisite: LKJBDR

This course provides opportunities for students to increase their competence and confidence in listening, speaking, reading, and writing in the language of study. Students will communicate about academic and personally relevant topics in increasingly spontaneous spoken interactions, and will develop their creative and critical thinking skills through exploring and responding to a variety of oral and written texts. Students will continue to enrich their understanding and appreciation of diverse communities in regions of the world where the language is spoken. They will also investigate personal and professional contexts in which knowledge of the language is required, and develop skills necessary for lifelong language learning.

Spanish

Level 1

SPANISH (ACADEMIC) LWSBDR

This course provides opportunities for students to begin to develop and apply skills in listening, speaking, reading, and writing in the language of study. Students will communicate and interact in structured activities, with a focus on matters of personal interest and familiar topics, and will read and write simple texts in the language. Throughout the course, students will acquire an understanding and appreciation of diverse communities in regions of the world where the language is spoken. They will also develop skills necessary for lifelong language learning.

Level 2

SPANISH (UNIVERSITY) LWSCUR

Prerequisite: LWSBDR

This course provides opportunities for students to increase their competence and confidence in listening, speaking, reading, and writing in the language of study. Students will communicate about academic and personally relevant topics in increasingly spontaneous spoken interactions, and will develop their creative and critical thinking skills through exploring and responding to a variety of oral and written texts. Students will continue to enrich their understanding and appreciation of diverse communities in regions of the world where the language is spoken. They will also investigate personal and professional contexts in which knowledge of the language is required, and develop skills necessary for lifelong language learning.

Level 3

SPANISH **(UNIVERSITY)** **LWSDUR**

Prerequisite: LWSCUR

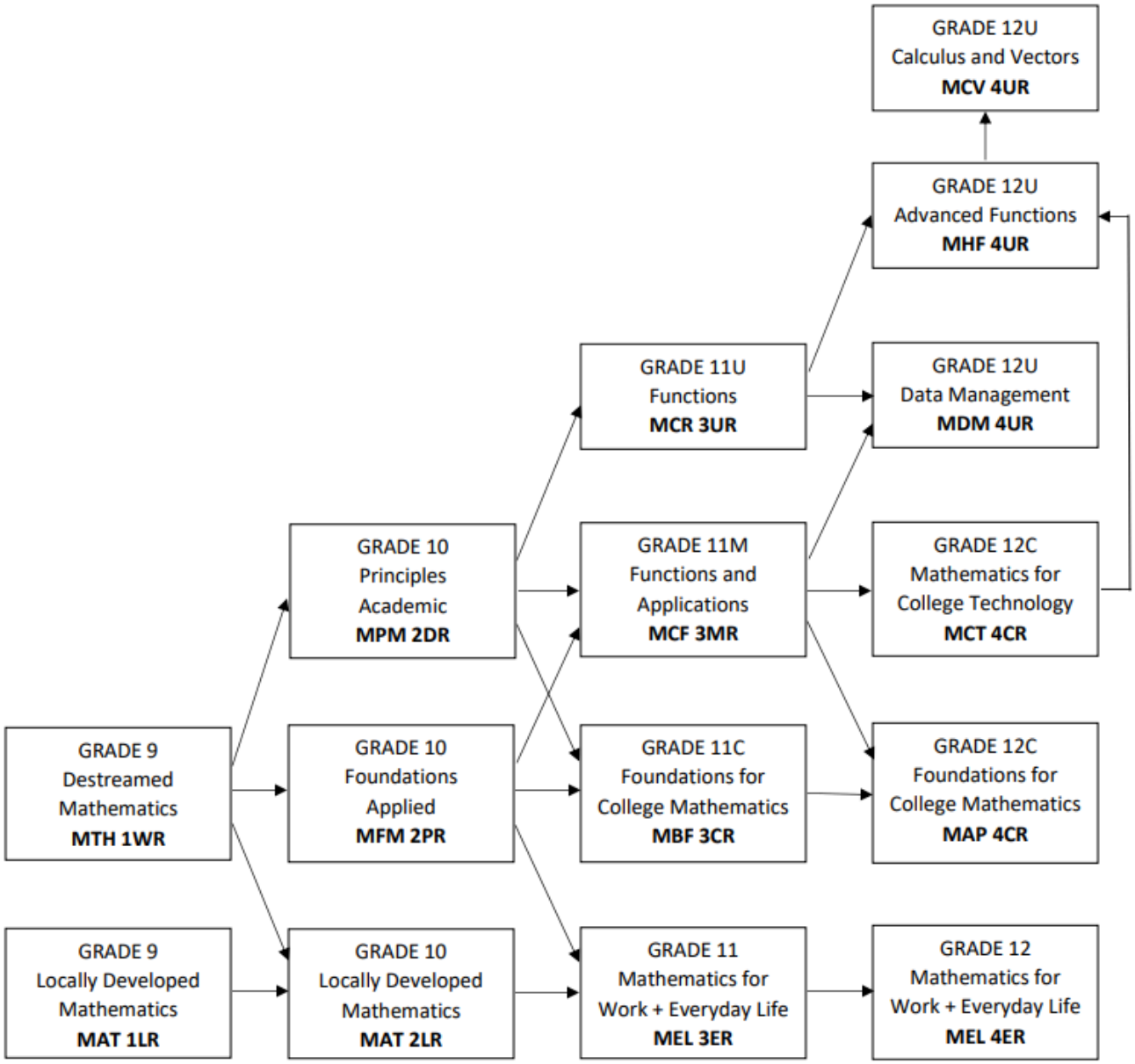
This course provides extended opportunities for students to communicate and interact in the language of study in a variety of social and academic contexts. Students will refine and enhance their listening, speaking, reading, and writing skills, as well as their creative and critical thinking skills, as they explore and respond to a variety of oral and written texts, including complex authentic and adapted texts. They will also broaden their understanding and appreciation of diverse communities where the language is spoken, and develop skills necessary for lifelong language learning.

MATHEMATICS

This chart maps out all the courses in the discipline. See course descriptions for specific course prerequisites.

Grade 9	Grade 10	Grade 11	Grade 12
MAT1LR Mathematics *Locally Developed*	**MAT2LR** Mathematics *Locally Developed*	**MEL3ER** Mathematics for Everyday Life *Workplace*	**MEL4ER** Mathematics for Everyday Life *Workplace*
MTH1WR Mathematics *Destreamed*	**MFM2PR** Foundations of Mathematics *Applied*	**MBF3CR** Mathematics for College *College*	**MAP4CR** Foundations for College Mathematics *College*
	MPM2DR Principles of Mathematics *Academic*	**MCF3MR** Functions and Applications *University/College*	**MCT4CR** Foundations for College Technology *College*
		MCR3UR Functions *University*	**MDM4UR** Mathematics of Data Management *University*
			MHF4UR Advanced Functions *University*
			MCV4UR Calculus and Vectors *University*

Math Pathway Chart



Math

Grade: 9
MATHEMATICS (LOCALLY DEVELOPED) MAT1LR
This course emphasizes further development of mathematical knowledge and skills to prepare students for success in their everyday lives and the workplace. 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 by solving authentic, everyday problems. Students have opportunities to further develop 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.

Grade: 9
MATHEMATICS (DESTREAMED) MTH1WR
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.

Grade: 10
MATHEMATICS (LOCALLY DEVELOPED) MAT2LR
Prerequisite: Any grade 9 math credit.
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. This 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.

Grade: 10
FOUNDATIONS OF MATHEMATICS (APPLIED) MFM2PR
Prerequisite: MTH1WR
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-angled triangles, and the measurement of three-dimensional objects. Students will consolidate their mathematical skills as they solve problems and communicate their thinking.

Grade: 10
FOUNDATIONS OF MATHEMATICS (ACADEMIC) MPM2DR
Prerequisite: MTH1WR
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.

Grade: 11
FOUNDATIONS FOR COLLEGE MATHEMATICS (COLLEGE) MBF3CR
Prerequisite: MFM2PR or MPM2DR
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; and develop their ability to reason by collecting, analyzing, and evaluating data involving one and two variables. Students will consolidate their mathematical skills as they solve problems and communicate their thinking.

Grade: 11
FUNCTIONS AND APPLICATIONS (UNIVERSITY/COLLEGE) MCF3MR
Prerequisite: MFM2PR or MPM2DR
This course introduces basic features of the function by extending students' experiences with quadratic relations. It focuses on quadratic, trigonometric, and exponential functions and their use in modeling real-world situations. Students will represent functions numerically, graphically, and algebraically; simplify expressions; solve equations; and solve problems relating to financial and trigonometric applications. Students will reason mathematically and communicate their thinking as they solve multi-step problems.

Grade: 11
FUNCTIONS (UNIVERSITY) MCR3UR
Prerequisite: MPM2DR
This course introduces the mathematical concept of the function by extending students' experiences with linear and quadratic relations. Students will investigate properties of discrete and continuous functions, including trigonometric and exponential functions; represent functions numerically, algebraically, and graphically; solve problems involving applications of functions; and develop facility in simplifying polynomial and rational expressions. Students will reason mathematically and communicate their thinking as they solve multi-step problems.

Grade: 11
MATHEMATICS FOR EVERYDAY LIFE (WORKPLACE PREPARATION) MEL3ER
Prerequisite: MTH1WR or MAT 2LR
This course introduces the mathematical concept of the function by extending students' experiences with linear and quadratic relations. Students will investigate properties of discrete and continuous functions, including trigonometric and exponential functions; represent functions numerically, algebraically, and graphically; solve problems involving applications of functions; and develop facility in simplifying polynomial and rational expressions. Students will reason mathematically and communicate their thinking as they solve multi-step problems.

Grade: 12
FOUNDATIONS FOR COLLEGE MATHEMATICS (COLLEGE) MAP4CR
Prerequisite: MBF3CR or MCF3MR or MCR3UR
This course enables students to broaden their understanding of real-world applications of mathematics. Students will analyse data using statistical methods; solve problems involving applications of geometry and trigonometry; apply measurement in designing and constructing physical models; 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.

Grade: 12
MATHEMATICS FOR COLLEGE TECHNOLOGY (COLLEGE) MCT4CR
Prerequisite: MCF3MR or MCR3UR
This course enables students to extend their knowledge of functions. Students will investigate and apply properties of polynomial, rational, 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, and vectors. 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.

Grade: 12
MATHEMATICS OF DATA MANAGEMENT (UNIVERSITY) MDM4UR
Prerequisite: MCF3MR or MCR3UR
This course broadens students' understanding of mathematics as it relates to managing information. Students will apply methods for organizing large amounts of information; solve problems involving counting techniques, probability, and statistics; and carry out a culminating project that integrates the expectations of the course. Students will continue to develop the mathematical processes necessary for success in senior mathematics. Students planning to pursue university programs in business, the social sciences, and the humanities will find this course of particular interest.

Grade: 12

ADVANCED FUNCTIONS (UNIVERSITY) MHF4UR

Prerequisite: MCR3UR or MCT4CR

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

NOTE: this course must be taken before or at the same time as MCV 4UR.

Grade: 12

CALCULUS AND VECTORS (UNIVERSITY) MCV4UR

Prerequisite: MCR3UR and

Prerequisite/Corequisite: MHF 4UR (i.e. MHF4UR must be taken before or at the same time as MCV4UR)

This course builds on students' previous experience with functions and their developing understanding of rates of change. Students will solve problems involving geometric and algebraic representations of vectors, and representations of lines and planes in three-dimensional space; broaden their understanding of rates of change to include the derivatives of polynomial, rational, exponential, and sinusoidal functions; and apply these concepts and skills to the modelling of real-world relationships. Students will also refine their use of the mathematical processes necessary for success in senior mathematics. This course is intended for students who plan to study mathematics in university and who may choose to pursue careers in fields such as physics and engineering.

Grade: 12

MATHEMATICS FOR EVERYDAY LIFE (WORKPLACE PREPARATION) MEL4ER

Prerequisite: MEL3ER

This course enables students to broaden their understanding of mathematics as it is applied in the workplace and daily life. Students will use statistics in investigating questions; apply the concept of probability to solve problems in familiar situations; investigate accommodation costs and create household budgets; use proportional reasoning; estimate and measure; and apply geometric concepts to create designs. Students will consolidate their mathematical skills as they solve problems and communicate their thinking.

SCIENCE

This chart maps out all the courses in the discipline. See course descriptions for specific course prerequisites.

Grade 9	Grade 10	Grade 11	Grade 12
SNC1WR Science *Destreamed*	**SNC2DR** Science *Academic*	**SBI3CR** Biology *College*	**SNC4MR** Health Science *University/College*
SNC1LR Science *Locally Developed*	**SNC2PR** Science *Applied*	**SBI3UR** Biology *University*	**SBI4UR** Biology *University*
	SNC2LR Science *Locally Developed*	**SCH3UR** Chemistry *University*	**SCH4CR** Chemistry *College*
		SPH3UR Physics *University*	**SCH4UR** Chemistry *University*
			SPH4CR Physics *College*
			SPH4UR Physics *University*

Science

Grade: 9

SCIENCE (DESTREAMED) SNC1WR

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

Grade: 9

SCIENCE (LOCALLY DEVELOPED) SNC1LR

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 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 developing their skills in reading, writing, and oral language through relevant and practical science activities.

Grade: 10

SCIENCE (ACADEMIC) SNC2DR

Prerequisite: SNC1WR

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.

Grade: 10
SCIENCE (APPLIED) SNC2PR
Prerequisite: SNC1WR
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.

Grade: 10
SCIENCE (LOCALLY DEVELOPED) SNC2LR
Prerequisite: Any grade 9 science credit
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 Workplace Preparation course. Students explore a range of topics including science in the media, interactions of common materials, life-sustaining processes in organisms, and the interaction of light and matter. Students have the opportunity to extend scientific process skills and to continue developing their skills in reading,writing, and oral language through relevant and practical science activities.

Grade: 11
BIOLOGY (COLLEGE) SBI3CR
Prerequisite: SNC2PR or SNC2DR
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.
Note: There is a small dissection component in this course.

Grade: 11
BIOLOGY (UNIVERSITY) SBI3UR
Prerequisite: SNC2DR
This course furthers students' understanding of the processes that occur in biological systems. Students will study theory and conduct investigations in the areas of biodiversity; evolution; genetic processes; the structure and function of animals; and the anatomy, growth, and function of plants. The course focuses on the theoretical aspects of the topics under study, and helps students refine skills related to scientific investigation.
Note: There is a small dissection component in this course.

Grade: 11
CHEMISTRY (UNIVERSITY) SCH3UR
Prerequisite: SNC2DR
This course enables students to deepen their understanding of chemistry through the study of the properties of chemicals and chemical bonds; chemical reactions and quantitative relationships in those reactions; solutions and solubility; and atmospheric chemistry and the behaviour of gases. Students will further develop their analytical skills and investigate the qualitative and quantitative properties of matter, as well as the impact of some common chemical reactions on society and the environment.

Grade: 11
PHYSICS (UNIVERSITY) SPH3UR
Prerequisite: SNC2DR
This course develops students' understanding of the basic concepts of physics. Students will explore kinematics, with an emphasis on linear motion; different kinds of forces; energy transformations; the properties of mechanical waves and sound; and electricity and magnetism. They will enhance their scientific investigation skills as they test laws of physics. In addition, they will analyse the interrelationships between physics and technology, and consider the impact of technological applications of physics on society and the environment.

Grade: 12
BIOLOGY (UNIVERSITY) SBI4UR

Prerequisite: SBI3UR; recommended background: SCH3UR

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.

Note: There is a small dissection component in this course.

Grade: 12
CHEMISTRY (COLLEGE) SCH4CR

Prerequisite: SNC2PR or SNC2DR

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.

Grade: 12
CHEMISTRY (UNIVERSITY) SCH4UR

Prerequisite: SCH3UR

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.

Grade: 12
HEALTH SCIENCE (UNIVERSITY/COLLEGE) SNC4MR

Prerequisite: SNC2DR, or any Grade 11 University, University/College, or College preparation course in science.

This course enables students, including those pursuing postsecondary programs outside the sciences, to increase their understanding of science and contemporary social and environmental issues in health-related fields. Students will explore a variety of medical technologies, pathogens and disease, nutritional science, public health issues, and biotechnology. The course focuses on the theoretical aspects of the topics under study and helps refine students' scientific investigation skills.

Grade: 12
PHYSICS (COLLEGE) SPH4CR

Prerequisite: SNC2PR or SNC2DR

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

Grade: 12
PHYSICS (UNIVERSITY) SPH4UR

Prerequisite: SPH3UR

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

SOCIAL SCIENCES & THE HUMANITIES

Family Studies and Sociology.
This chart maps out all the courses in the discipline. See course descriptions for specific grade 11 and 12 courses' prerequisites.

Grade 9	Grade 10	Grade 11	Grade 12
HFN1OR Food and Nutrition *Open*	**HIF2OR** Exploring Family Studies *Open*	**HFC3ER** Food and Healthy Living *Workplace*	**HFA4CR** Nutrition and Health *College*
		HNC3CR Understanding Fashion *College*	**HFA4UR** Nutrition and Health *University*
		HPW3CR Raising Healthy Children *College*	
		HSP3CR Anthro,Psych,Soc *College*	**HHS4CR** Families in Canada *College*
		HSP3UR Anthro,Psych,Soc *University*	**HHS4UR** Families in Canada *University*
			HSB4UR Challenge and Change in Society *University*

SOCIAL SCIENCES & THE HUMANITIES - Family Studies

Grade: 9

FOOD AND NUTRITION (OPEN) HFN1OR

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

Grade: 10

EXPLORING FAMILY STUDIES (OPEN) HIF2OR

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. Students will be introduced to several areas of Family Studies later encountered at the senior level, including foods, fashion, and parenting.

Grade: 11
FOOD AND CULTURE (WORKPLACE PREPARATION) HFC3ER
Prerequisite: none
This course focuses on the flavours, 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.
Note: This course runs every other year; running 2025/2026.

Grade: 11
UNDERSTANDING FASHION (COLLEGE) HNC3CR
Prerequisite: none
This course introduces students to the world of fashion. Students will gain an understanding of theories related to fashion trends and of how culture, media, fashion cycles, retailing, and social and environmental factors influence fashion trends and consumer behaviour. Students will use various tools, technologies, and techniques safely and correctly to create fashion items. They will apply knowledge of fibres, fabrics, and the elements and principles of design when creating and assessing fashion-related products. Students will develop research skills as they investigate topics related to fashion.

Grade: 11
WORKING WITH INFANTS AND YOUNG CHILDREN (COLLEGE) HPW3CR
Prerequisite: none
This course prepares students for occupations involving children from birth to six years of age. Students will study theories about child behaviour and development, and will have opportunities for research and observation and for practical experiences with young children. Students will become familiar with occupational opportunities and requirements related to working with infants and young children. They will also have opportunities to develop research and critical-thinking skills as they investigate and evaluate current research about early childhood education.
Note: This course runs every other year; running 2025/2026.

Grade: 12
NUTRITION AND HEALTH (COLLEGE) HFA4CR
Prerequisite: Any university, college, or university/college preparation course in social sciences and humanities, English, or Canadian and World Studies.
This course focuses on the relationship between nutrition and health at different stages of life and on global issues related to food production. Students will investigate the role of nutrition in health and disease and assess strategies for promoting food security and environmental responsibility. Students will learn about healthy eating, expand their repertoire of food-preparation techniques, and refine their ability to use social science research and inquiry methods to investigate topics related to nutrition and health.

Grade: 12
NUTRITION AND HEALTH (UNIVERSITY) HFA4UR
Prerequisite: Any university, college, or university/college preparation course in social sciences and humanities, English, or Canadian and World Studies.
This course focuses on the relationship between nutrition and health at different stages of life and on global issues related to food production. Students will investigate the role of nutrition in health and disease and assess strategies for promoting food security and environmental responsibility. Students will learn about healthy eating, expand their repertoire of food-preparation techniques, and refine their ability to use social science research and inquiry methods to investigate topics related to nutrition and health.

Grade: 12
FOOD AND HEALTHY LIVING (WORKPLACE PREPARATION) HFL4ER
Prerequisite: none
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, students will develop skills needed in food preparation for personal use and for employment in the food industry. Students 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.
Note: This course runs every other year; running 2026/2027.

SOCIAL SCIENCES & THE HUMANITIES - Sociology

Grade: 11
INTRODUCTION TO ANTHROPOLOGY, PSYCHOLOGY AND SOCIOLOGY (COLLEGE) HSP3CR

Prerequisite: none

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. Taught by the Canadian and World Studies Department.

Grade: 11
INTRODUCTION TO ANTHROPOLOGY, PSYCHOLOGY AND SOCIOLOGY (UNIVERSITY) HSP3UR

Prerequisite: ENG2DR or CHC2DR

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, and to become familiar with current thinking on a range of issues within the three disciplines. Taught by the Canadian and World Studies Department.

Grade: 12
FAMILIES IN CANADA (COLLEGE) HHS4CR

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

This course enables students to develop an understanding of social science theories as they apply to individual development, the development of intimate relationships, and family and parent-child relationships. Students will explore a range of issues relating to the development of individuals and families in contemporary Canadian society as well as in other cultures and historical periods. They will develop the investigative skills required to conduct research on individuals, intimate relationships, and parent-child roles and relationships in Canada.

Grade: 12
FAMILIES IN CANADA (UNIVERSITY) HHS4UR

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

This course enables students to draw on sociological, psychological, and anthropological theories and research to analyse the development of individuals, intimate relationships, and family and parent-child relationships. Students will focus on issues and challenges facing individuals and families in Canada's diverse society. They will develop analytical tools that enable them to assess various factors affecting families and to consider policies and practices intended to support families in Canada. They will develop the investigative skills required to conduct and communicate the results of research on individuals, intimate relationships, and parent-child relationships.

Grade: 12
CHALLENGE AND CHANGE IN SOCIETY (UNIVERSITY) HSB4UR

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

This course focuses on the use of social science theories, perspectives, and methodologies to investigate and explain shifts in knowledge, attitudes, beliefs, and behaviour and their impact on society. Students will critically analyse how and why cultural, social, and behavioural patterns change over time. They will explore the ideas of social theorists and use those ideas to analyse causes of and responses to challenges such as technological change, deviance, and global inequalities. Students will explore ways in which social science research methods can be used to study social change. Taught by the Canadian and World Studies Department.

SPECIALIZED SERVICES

The Specialized Services department consists of personnel, programs, services, and resources which will help to support students identified as exceptional to reach their potential in their chosen courses. In collaboration with subject teachers, special education staff can provide support in a variety of ways including:

- ➔ Regular class with monitoring
- ➔ Learning Strategies Course – GLE1OR – one credit (additional credits may be taken in grade 10-12
- ➔ Student Success Support (no credit)
- ➔ Practical Academics & Life Skills program

These programs are made available to students as a result of the recommendation of an I.P.R.C. (Identification, Placement and Review Committee). Our long-term goal is to have students develop self-advocacy skills, an understanding of their individual learning profile, and independence.

EXCEPTIONAL STUDENTS

Students identified by the Board as exceptional will be monitored by the Specialized Services department to ensure that the expectations of their programs are being met and that any special equipment necessary is made available.

PRACTICAL ACADEMICS & LIFE SKILLS PROGRAM

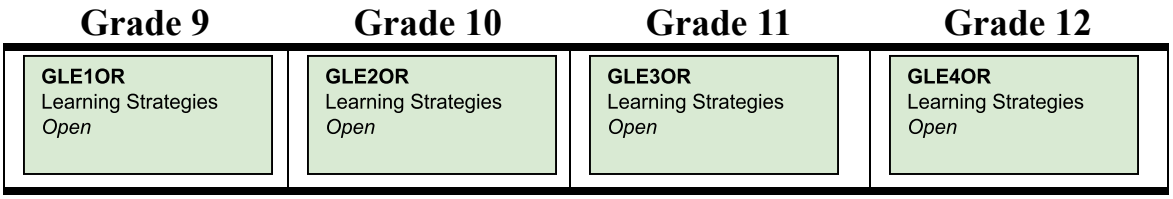
All courses in this program are non-credit. Students will receive a Certificate of Accomplishment or an OSSC in their graduating year (June of the calendar year in which the student turns twenty-one or earlier).

Years 1-7	**Offered as space allows**
KEN – Language and Communication Development KMM – Numeracy and Numbers KPF – Personal Health and Fitness KPH – Choice Making for Healthy Living	KHD – Social Skills KTT – Computer Skills KSN – Exploring Our Environment KAL – Creative Arts for Expression KGL – Personal Life Management KPP – Independent Living KGW – Exploring the World of Work KNA – Understanding First Nation, Métis and Inuit Pre-Colonization to Today KCW – Exploring our World

Parents wanting to know more about the Practical Academics & Life Skills program should contact the Head of Specialized Services.

SPECIALIZED SERVICES

Learning Strategies
This chart maps out all the courses in the discipline.



SPECIALIZED SERVICES - Learning Strategies

Grade: 9
LEARNING STRATEGIES (OPEN) GLE1OR
Skills for Success in Secondary School
This course focuses on learning strategies to help students become better, more independent learners. Students will learn how to develop and apply literacy and numeracy skills, personal management skills, and interpersonal and teamwork skills to improve their learning and achievement in school, the workplace, and the community. The course helps students build confidence and motivation to pursue opportunities for success in secondary school and beyond. **Permission must be obtained from the Head of Specialized Services to register for this course.**

Grade: 10
LEARNING STRATEGIES (OPEN) GLE2OR
Skills for Success in Secondary School
This course focuses on learning strategies to help students become better, more independent learners. Students will learn how to develop and apply literacy and numeracy skills, personal management skills, and interpersonal and teamwork skills to improve their learning and achievement in school, the workplace, and the community. The course helps students build confidence and motivation to pursue opportunities for success in secondary school and beyond. **Permission must be obtained from the Head of Specialized Services to register for this course.**

Grade: 11
LEARNING STRATEGIES (OPEN) GLE3OR
Skills for Success after Secondary School
This course improves students' learning and personal-management skills, preparing them to make successful transitions to work, training, and/or postsecondary education destinations. Students will assess their learning abilities and use literacy, numeracy, and research skills and personal-management techniques to maximize their learning. Students will investigate trends and resources to support their postsecondary employment, training, and/or education choices and develop a plan to help them meet their learning and career goals. **Permission must be obtained from the Head of Specialized Services to register for this course.**

Grade: 12
LEARNING STRATEGIES (OPEN) GLE4OR
Skills for Success after Secondary School
This course improves students' learning and personal-management skills, preparing them to make successful transitions to work, training, and/or postsecondary education destinations. Students will assess their learning abilities and use literacy, numeracy, and research skills and personal-management techniques to maximize their learning. Students will investigate trends and resources to support their postsecondary employment, training, and/or education choices and develop a plan to help them meet their learning and career goals. **Permission must be obtained from the Head of Specialized Services to register for this course.**

TECHNOLOGICAL EDUCATION

Computer Engineering Technology: Robotics and Control Systems, Construction, Technological Design, Green Industries, Manufacturing, Transportation

This chart maps out all the courses in the discipline.

For information about Specialist High Skills Majors, please visit iew.tldsb.on.ca/shsm

Grade 9	Grade 10	Grade 11	Grade 12
TAS1OR Technology and the Skilled Trades *Open*			
	TCJ2OR Construction Technology *Open*	**TCJ3CR** Construction Engineering Technology *College* **TCJ3ER** Construction Technology *Workplace* **TCJ3CW-ELCT149** Construction Technology/Electrical Fundamentals (IEW/Fleming)	**TCJ4CR** Construction Engineering Technology *College* **TCJ4ER** Construction Technology *Workplace* **TCJ4CW-ELCT149** Construction Technology/Electrical Fundamentals (IEW/Fleming)
	TDJ2OR Technological Design *Open*	**TDJ3MR** Technological Design *University/College* **TEJ3MR** Computer Engineering Technology: Robotics and Control Systems *University/College*	**TDJ4MR** Technological Design *University/College* **TEJ4MR** Computer Engineering Technology: Robotics and Control Systems *University/College*
	THJ2OR Green Industries *Open*	**THJ3MR** Green Industries *University/College*	**THJ4MR** Green Industries *University/College*
	TMJ2OR Manufacturing Technology *Open*	**TMJ3CR** Manufacturing Technology *College*	**TMJ4CR** Manufacturing Technology *College*
	TTJ2OR Transportation Technology *Open*	**TTJ3CR** Transportation Technology *College*	**TTJ4CR** Transportation Technology *College*

TECHNOLOGICAL EDUCATION

Grade: 9

TECHNOLOGY AND THE SKILLED TRADES (OPEN) TAS1OR

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

TECHNOLOGICAL EDUCATION - Construction

Grade: 10

Prerequisite: none

CONSTRUCTION TECHNOLOGY (OPEN) TCJ2OR

This course introduces students to building materials and processes through opportunities to design and build various construction projects. Students will learn to create and read working drawings; become familiar with common construction materials, components, and processes; and perform a variety of fabrication, assembly, and finishing operations. They will use a variety of hand and power tools and apply knowledge of imperial and metric systems of measurement, as appropriate. Students will develop an awareness of environmental and societal issues related to construction technology, and will explore secondary and postsecondary pathways leading to careers in the industry.

Grade: 11

CONSTRUCTION ENGINEERING TECHNOLOGY (COLLEGE) TCJ3CR

Prerequisite: none

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 will explore career opportunities in the field.

Recommended Background: TCJ2OR

Grade: 11

CONSTRUCTION TECHNOLOGY (WORKPLACE PREPARATION) TCJ3ER

Prerequisite: none

This course enables students to develop technical knowledge and skills related to carpentry, masonry, electrical systems, heating and cooling, and plumbing for residential construction. Students will gain hands-on experience using a variety of materials, processes, tools, and equipment to design, lay out, and build projects. They will create and read technical drawings, learn construction terminology, interpret building codes and regulations, and apply mathematical skills as they develop construction projects. Students will also develop an awareness of environmental and societal issues related to construction technology, and will explore postsecondary and career opportunities in the field.

Recommended Background: TCJ2OR

Grade: 12

CONSTRUCTION ENGINEERING TECHNOLOGY (COLLEGE) TCJ4CR

Prerequisite: TCJ3CR

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 will explore career opportunities in the field.

Grade: 12
CONSTRUCTION TECHNOLOGY (WORKPLACE PREPARATION) TCJ4ER
Prerequisite: TCJ3ER
This course enables students to further develop technical knowledge and skills related to residential construction and to explore light commercial construction. Students will continue to gain hands-on experience using a variety of materials, processes, tools, and equipment; create and interpret construction drawings; and learn more about building design and project planning. They will expand their knowledge of terminology, codes and regulations, and health and safety standards related to residential and light commercial construction. Students will also expand their awareness of environmental and societal issues related to construction technology, and will explore entrepreneurship and career opportunities in the industry that may be pursued directly after graduation.

Grade: 11/12
CONSTRUCTION TECHNOLOGY (WORKPLACE PREPARATION) TCJ3/4CW-ELCT149
Prerequisite: no prerequisite for TCJ3CW students (although TCJ2OR is preferred; the prerequisite for TCJ4CW is TCJ3CR)
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 will explore career opportunities in the field. **Note: In collaboration with Fleming College, this course is also being taught as Electrical Fundamentals. Spaces are limited and priority will be given to graduating students. Students will earn two high school credits, as well as a single credit from Fleming College.**

TECHNOLOGICAL EDUCATION - Tech Design/Robotics

Grade: 10
TECHNOLOGICAL DESIGN (OPEN) TDJ2OR
Prerequisite: none
This course provides students with opportunities to apply a design process to meet a variety of technological challenges. Students will research projects, create designs, build models and/or prototypes, and assess products and/or processes using appropriate tools, techniques, and strategies. Student projects may include designs for homes, vehicles, bridges, robotic arms, clothing, or other products. Students will develop an awareness of environmental and societal issues related to technological design, and will learn about secondary and postsecondary education and training leading to careers in the field.

Grade: 11
TECHNOLOGICAL DESIGN (UNIVERSITY/COLLEGE) TDJ3MR
Prerequisite: none
This course examines how technological design is influenced by human, environmental, financial, and material requirements and resources. Students will research, design, build, and assess solutions that meet specific human needs, using working drawings and other communication methods to present their design ideas. They will develop an awareness of environmental, societal, and cultural issues related to technological design, and will explore career opportunities in the field, as well as the college and/or university program requirements for them.

Grade: 11
COMPUTER ENGINEERING TECHNOLOGY: ROBOTICS AND CONTROL SYSTEMS (UNIVERSITY/COLLEGE) TEJ3MR
Prerequisite: none
This course examines computer systems and control of external devices. Students will assemble computers and small networks by installing and configuring appropriate hardware and software. Students will develop knowledge and skills in electronics, robotics, programming, and networks, and will build systems that use computer programs and interfaces to control and/or respond to external devices. Students will develop an awareness of related environmental and societal issues, and will learn about college and university programs leading to careers in computer technology.

Grade: 12
TECHNOLOGICAL DESIGN (UNIVERSITY/COLLEGE) TDJ4MR
Prerequisite: TDJ3MR
This course introduces students to the fundamentals of design advocacy and marketing, while building on their design skills and their knowledge of professional design practices. Students will apply a systematic design process to research, design, build, and assess solutions that meet specific human needs, using illustrations, presentation drawings, and other communication methods to present their designs. Students will enhance their problem-solving and communication skills, and will explore career opportunities and the postsecondary education and training requirements for them. Ideal for students planning on taking Architecture, Interior Design, Civil or Mechanical or Electrical Engineering at college or university.

Grade: 12
COMPUTER ENGINEERING TECHNOLOGY: ROBOTICS AND CONTROL SYSTEMS (UNIVERSITY/COLLEGE) TEJ4MR
Prerequisite: TEJ3MR
This course extends students' understanding of computer systems and computer interfacing with external devices. Students will assemble computer systems by installing and configuring appropriate hardware and software, and will learn more about fundamental concepts of electronics, robotics, programming, and networks. Students will examine related environmental and societal issues, and will explore postsecondary pathways leading to careers in computer technology.

TECHNOLOGICAL EDUCATION - Green Industries

Grade: 10
Prerequisite: none
GREEN INDUSTRIES (OPEN) THJ2OR
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 handson 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 postsecondary education and training pathways and career opportunities in the various industry sectors.

Grade: 11
GREEN INDUSTRIES (UNIVERSITY/COLLEGE) THJ3MR
This course enables students to develop knowledge and skills related to agriculture, forestry, horticulture, and landscaping. Students will study the identification, growth, and management of plants and animals and develop process, design, and management skills required in the green industries. Students will also examine social and economic issues related to the green industries, learn about safe and healthy working practices, study industry standards and codes, and will explore postsecondary education programs and career opportunities.

Grade: 12
GREEN INDUSTRIES (UNIVERSITY/COLLEGE) THJ4MR
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.

TECHNOLOGICAL EDUCATION - Manufacturing

Grade: 10
Prerequisite: none
MANUFACTURING TECHNOLOGY (OPEN) TMJ2OR
This course introduces students to the manufacturing industry by giving them an opportunity to design and fabricate products using a variety of processes, tools, and equipment. Students will learn about technical drawing, properties and preparation of materials, and manufacturing techniques. Student projects may include a robotic challenge, a design challenge, or a fabrication project involving processes such as machining, welding, vacuum forming, or injection moulding. Students will develop an awareness of environmental and societal issues related to manufacturing, and will learn about secondary and postsecondary pathways leading to careers in the industry

Grade: 11

MANUFACTURING TECHNOLOGY (COLLEGE) TMJ3CR

Prerequisite: none

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.

Recommended Background: TMJ2OR

Grade: 12

MANUFACTURING TECHNOLOGY (COLLEGE) TMJ4CR

Prerequisite: TMJ3CR or TMJ3CW

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. Ideal for any students planning to pursue Mechanical or Electrical Engineering at college or university.

TECHNOLOGICAL EDUCATION - Transportation

Grade: 10

Prerequisite: none

TRANSPORTATION TECHNOLOGY (OPEN) TTJ2OR

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 postsecondary pathways leading to careers in the transportation industry.

Grade: 11

TRANSPORTATION TECHNOLOGY (COLLEGE) TTJ3CR

Prerequisite: none

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.

Recommended Background: TTJ2OR

Grade: 12

TRANSPORTATION TECHNOLOGY (COLLEGE) TTJ4CR

Prerequisite: TTJ3CR

This course enables students to further develop technical knowledge and skills as they study, test, service, and repair engine management systems; powertrains; 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.

SPECIALIST HIGH SKILLS MAJORS

A Specialist High Skills Major (SHSM) is an enrichment program for students considering pursuing a career in skilled trades. This program allows students to focus on a potential career that matches their skills and interests. It also assists in their transition after graduation to apprenticeship training, college, university, or the workplace.

I.E. Weldon offers five SHSM programs; Agriculture, Construction, Information & Communications Technology, Manufacturing and Transportation. Each SHSM is a bundle of classroom courses, workplace experiences, sector certifications and specialized events and trips. Students who complete a Specialist High Skill Major will receive a special designation on their high school diploma. The SHSM is **not an extra credit**. Out of the bundle of 30 credits required to graduate the SHSM student is required to have 8 or 9 credits within the pathway chart of the SHSM program that they are enrolled in.

CHECKLIST OF SHSM REQUIREMENTS	
1	Bundle of required eligible credits as part of the 30 required to graduate Must include at least 2 sector-related co-op credits Please see https://www.tldsb.ca/programs/#elementor-toc__heading-anchor-3 for details.
2	Completion of Certifications
3	Reach Ahead (a practical experience or visit to a college, etc.)
4	Experiential Learning and Career Exploration
5	SPE (Sector-Partnered Experiences) *in one of the following areas:* *ICE (innovation, creativity, and entrepreneurship), coding, and/or mathematical literacy.*

SHSM Certifications

Each SHSM also requires the student to complete industry standard certification at **no expense** to the student. Possible certifications offered at IEW for each SHSM are:

Agriculture	Construction	Information and Communications Technology (Robotics)	Manufacturing	Transportation
CPR Level C & AED Training; First Aid; Working at Heights; Workplace Health & Safety; Portfolio Development				
- animal first aid - electrical safety - chainsaw safety - fire safety and fire extinguisher use - lockout/tagging - small engine maintenance	- chainsaw safety - confined space awareness - electrical safety - elevated work platforms - fall protection - fire safety and fire extinguisher use - lockout/tagging - small engine maintenance	- computer hardware electronics - basic - elevated work platforms - ergonomics - fall protection - Internet security - sector-specific software	- CAD/CAM - Canadian Welding Bureau (CWB) - confined space awareness - electrical safety - elevated work platforms - fall protection - fire safety and fire - extinguisher use lockout/tagging	- CAD/CAM - electrical safety - elevated work platforms - fall protection - fire safety and fire extinguisher use - lockout/tagging - pleasure craft operator - vehicle lift safety

For further information please contact Lead SHSM teachers directly:

Agriculture	Construction	Information & Communications Technology	Manufacturing	Transportation
Kory Cameron	Jordan Batty James Addison	Roger Thompson	Ryan Rawlins	Alan Stanley
kory.cameron@tldsb.on.ca	jordan.batty@tldsb.on.ca james.addison@tldsb.on.ca	roger.thompson@tldsb.on.ca	ryan.rawlins@tldsb.on.ca	alan.stanley@tldsb.on.ca

More information can be found on our website at: iew.tldsb.on.ca/shsm

LEVEL 1 ACCELERATED OYAP

The Ontario Youth Apprenticeship Program (OYAP) is a secondary school Co-operative Education option for students interested in pursuing a career in the Skilled Trades. OYAP provides students with an opportunity to earn credits toward their Ontario Secondary School Diploma while acquiring skills and knowledge in their chosen trade.

- ➔ Level 1 schooling for apprenticeship at Durham College or Fleming College in semester 2 of grade 12
    - Durham College: Day release: 2-3 days per week, 18 weeks (depending on trade)
    - Fleming College: Block release: 5 days per week, 8 weeks
- ➔ Co-op placement in the related field (when not at college)
- ➔ Gain work experience and hours towards apprenticeship
- ➔ Free schooling, books, transportation

Note: Selecting the OYAP4R course indicates your interest only, and does not guarantee your placement will be in Semester 2 until you are officially accepted into the program.

Application Process

- Choose OYAP (OYAP4R) during course selections
- Submit an application (spring of Grade 11 year)
- If successful, work with the co-op teacher to find an employer to support you

What are the advantages of Level 1 OYAP?

- Participate in Level 1 trade school
- Free books and transportation
- Learn on the job with your employer/journeyperson
- Head start on your apprenticeship (schooling and/or hours)

For further information contact Guidance/Co-op, or visit www.oyap.com.

OYAP ‘FAST’

Focused Apprenticeship Skills Training (FAST) is an accelerated stream within OYAP (OYAP-FAST) that will allow students in Grades 11 & 12 to participate in more apprenticeship learning through additional cooperative education credits while completing their OSSD. This program is available to TLDSB students beginning in September, 2025.

To participate in OYAP-FAST, students must:

1) Be OYAP participants, which means you:
- Meet the OYAP eligibility requirements (15 years or older, completed 14 credits towards OSSD, and be enrolled in a secondary school or continuing education program.
- Participate in a cooperative education program with a placement in one of the 144 skilled trades.
- Have completed an OYAP participant application form (for all students under 18, a parent/guardian must have signed the OYAP participant application form).

2) Have parent/guardian consent to participate in OYAP-FAST, by completing this Consent to Participate in OYAP-FAST.
3) Be flagged in school student management system (SMS - Power School)

Completion requirements for OYAP-FAST include:

1) Students have earned 8 to 11 cooperative education credits with placement components in the skilled trades.
2) Students have registered as apprentices (obtained a registered training agreement) by the time they complete their cooperative education credit (contingent on the willingness of the employer to sign the student as an apprentice).

Students who complete OYAP-FAST will be awarded the OYAP-FAST seal on their OSSD, and OYAP-FAST will be listed in the Specialized Program field of the Ontario Student Transcript (OST).
Note: If student has already been granted an OSSD, it cannot be exchanged for an OSSD with the OYAP-FAST seal.

Post Secondary Pathway Considerations

Students and parents/guardians are encouraged to research post-secondary options before applying to this program. Certain college and university programs might have prerequisite courses that would not be easily fulfilled due to timetable constraints when taking the OYAP-FAST program. Students who are in this program should be confident that they will be pursuing the apprenticeship pathway for their post secondary education. Students are encouraged to connect with their guidance counselor to discuss post secondary options. For more information about the apprenticeship pathway and the skilled trades, please visit the Skilled Trades Ontario website (www.skilledtradesontario.ca).

DUAL CREDITS

Dual credits give Grade 11 and 12 students the opportunity to take courses at the college level and have these count towards their Ontario Secondary School Diploma (OSSD). Dual credit programs foster and support learning, help build confidence, and provide the experience of life as a college student. Upon completion two credits are recorded: one on the high school transcript and the second on the college transcript.

Who can participate?

- Grade 11 or 12 students who are college capable and motivated to succeed!
- Students who have the potential to succeed but at risk of not graduating
- Students in specialized programs including, Specialist High Skills Majors (SHSM) and Ontario Youth Apprenticeship Program (OYAP)
- Students who want to explore career paths and experience college

Benefits:

- Supports students in researching/making postsecondary decisions
- Students may receive industry-specific certification, hands-on experience, and the opportunity to explore college life
- Students can earn up to four optional credits through dual credits courses to help them earn their Ontario Secondary School Diploma (OSSD)
- Increased awareness of post-secondary pathways and careers

Additional Information:

- Courses take place at the Lindsay or Peterborough Fleming College campus, or online
- Students are provided free transportation to the campus one day a week for a semester
- Students are taught by a College Instructor
- Dual credits are a full day commitment; students will be back in time to catch their bus home
- Dual credits require an application process which must be completed through Guidance/Co-op

For more information on dual credits and to find out what is being offered, please visit www.tldsb.ca/programs

Sample of Course Offerings:

FALL (September - December)	**WINTER** *(February - April)*	**SPRING** (April - June)
Rig Maintenance and Repair	Makeup Artistry	Ecosystem Skills
Applied Welding/Cutting Processes	Foundations of Educational Support	Drilling
Manicure	Residential Mechanical Systems	Renewable Energy Sources
Carpentry Fundamentals	Electrical Techniques	

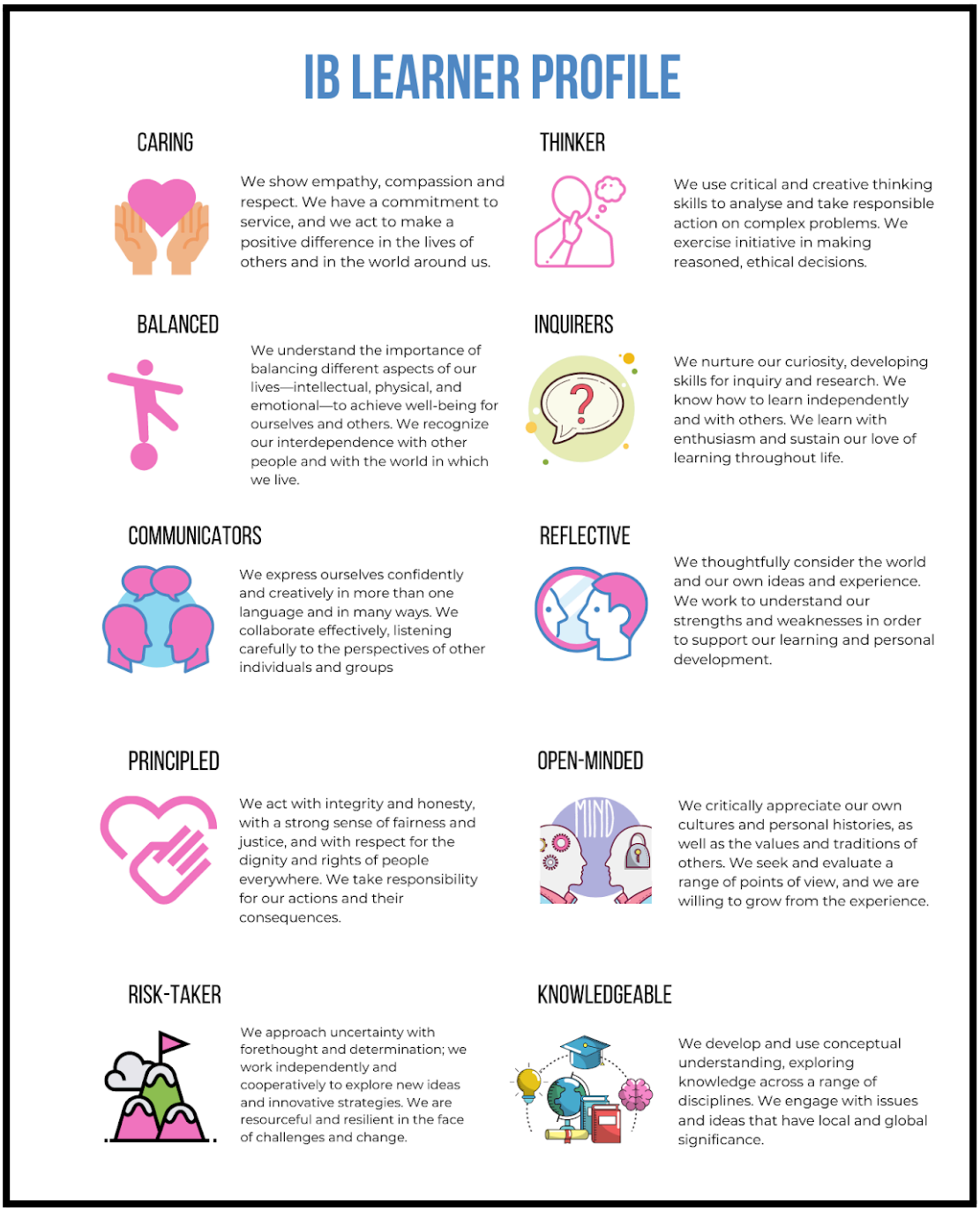
Note: Dual credit offerings may change on a year-to-year basis

INTERNATIONAL BACCALAUREATE/POWER PACK

Information can be found at iew.tldsb.on.ca → IB Program (Power Pack)

Power Pack - Grade 10 Students

Beginning in Grade 10, the Power Pack program at I.E. Weldon is designed to prepare students for success in the International Baccalaureate Program in grades 11 and 12. Students enrolled in Grade 10 Power Pack select a package of courses designed to develop strong work habits and critical thinking skills based on the IB Learner Profile as shown below:



Grade 10 Power Pack Course Package

CHC2DB or CHC2DI - Canadian History or Canadian History in Immersion French
ENG2DB - English
FSF2DB or FIF2DR - Core or Immersion French
MPM2DB - Mathematics
SNC2DB - Science
MCR3UB - Mathematics (prerequisite for IB Math) - Semester 2
SCH3UB - Chemistry (prerequisite for IB Chemistry) -Semester 2

**Please note that one Power Pack subject may be substituted for a tech course or a different second language. These exceptions can only be made in consultation with the IB Coordinator.*

Successful students will:

- establish an excellent foundation for future academic success
- collaborate effectively with others
- develop strong time management skills
- acquire exemplary organizational skills

International Baccalaureate Program

The IB Diploma is a rigorous two-year standardized program of study, taken in Grade 11 and 12. It provides students with an internationally recognized education that focuses on the development of critical thinking skills, thorough preparation for post-secondary studies, greater cultural awareness and strong student leadership skills.

Features of the Diploma Program:

- 2 year program
- International curriculum
- Standardised international assessment
- Emphasis on in-depth study
- Emphasis on studying a broad spectrum of subjects

Students who choose to participate in the IB Program can enroll as Full Diploma students or as Partial Pathway students, depending on their academic needs and interests. Students who complete the Full Diploma will earn an additional international accreditation in addition to an Ontario Secondary School Diploma. All students who participate in the program, whether they are Full Diploma or Partial pathway, are eligible for first year university transfer credits offered by many post secondary institutions across the country. Additionally, and perhaps most importantly, data reveals that students who engage fully in their IB courses perform at a high level in university.

For more information about the IB Diploma Program, please visit the International Baccalaureate Organization and the IB Program tab on the I.E. Weldon website.

Full IB Diploma Program

Students who choose to enrol in the Full IB Diploma must complete course work in a broad range of courses that cover six distinct subject areas (Please see the diploma groupings chart that follows). In addition to the six subject areas, students in the Full Diploma program must complete a course in Theory of Knowledge over two years, an Extended Essay research project and must create a personal growth portfolio that focuses on involvement in creative, physical and service based activities.

Partial Pathway Program
Students who do not wish to complete the Full Diploma may enrol in a package of **three IB subjects at minimum.** The only exceptions to this requirement is for students who wish to enrol in IB Visual Art, IB Drama and/or IB French Immersion.

For IB Diploma Groupings chart, see IEW website.

Important Note: Students should seek the advice of the IB Coordinator, parents/guardians/caregivers, and teachers and carefully consider the decision whether or not to take the Full IB Diploma or an IB Partial Pathway program.

PowerPack and IB Programme Course Offerings

Subject Area	Grade 10 PowerPack	Grade 11: Year 1 IB	Grade 12: Year 2 IB
Language and Literature	English: ENG2DB	English: ENG3UB	English: ENG4UB
Language Acquisition	FSF2DB (Core French) FIF2DR (French Immersion)	FSF3UB (Core French) FIF3UR (French Immersion)	FSF4UB (Core French) FIF4UB (French Immersion)
Individuals and Society	CHC2DB (English History) CHC2DI (French Immersion History)	CHA3UB (History) **NEW** HHG4MB (Psychology)	CHI4UB, CHY4UB (History) CGW4UB (Geography: Only for students who took IB geography Grade 11 in 2024/2025) **NEW** HSB4UB (Psychology) **available in 2026-27**
Experimental Sciences	SNC2DB (Science)	SVN3MB (Chemistry) SBI3UB, SNC4MB (Biology) SPH3UB, SES4UB (Physics)	SCH4UB SBI4UB SPH4UB
Mathematics	MPM2DB (Mathematics)	MHF4UB (Math AA) MCF3MB (Math AI)	MCV4UB (Math AA) MDM4UB (Math AI
The Arts	Elective option, not required	AVI3MB (Visual Art) ADA3MB (Theatre)	AVI4MB (Visual Art) ADA4MB (Theatre)
Other Curriculum Components	MCR3UB is also required if students intend to complete the full IB Diploma or are interested in taking IB Math. SCH3UB is also required if students intend to enrol in IB chemistry in Grade 11 and 12. CHV/GLC2OR is required for all students. Students may choose to take CHV/GLC2OR online in the summer between Grade 9 and 10.	Theory of Knowledge (TOK): ETS4UB course of study tied to English programming. Creativity, activity, service: supported by coordinator. Extended essay: supported instruction during ENG3UB and work with EE mentor.	Theory of Knowledge (TOK: HZT4UB course of study tied to English programming. Creativity, activity, service: supported by coordinator. Extended essay: supported instruction during ENG3UB and work with EE mentor