

Arthur Voaden Secondary School

2025 – 2026

INTRODUCTION

Welcome to Arthur Voaden Secondary School, home of the Vikings. A proud 99-year history has allowed Arthur Voaden to develop a strong academic program for each and every student to be successful in his/her future. Graduates of Arthur Voaden are able to face their future with confidence knowing they have obtained the knowledge and developed the necessary skills needed in our ever-changing world. The wide variety of academic programs at Arthur Voaden enables students to meet the demands of employers and post-secondary institutions with a balance of academic skills, teamwork, and personal management skills. As an Arthur Voaden student, you can be confident that you will develop a bank of skills that will help you fit the profile of a successful individual and become one of our many proud graduates.

Arthur Voaden Secondary School, as part of the Thames Valley District School Board, and under the direction of the Ontario Ministry of Education, strives to provide all students with educational opportunities that will help each and every person to gain personal independence and satisfaction as an adult member of our community.

In keeping with this intent and philosophy, Arthur Voaden Secondary School in its programs and organizations, directs its goals towards providing co-curricular programming that will help students:

- prepare for a University or College education
- prepare for apprenticeship or workplace training
- explore a variety of educational programs to prepare for career choices
- develop a set of transferrable skills to be life-long learners and productive members of society
- participate in extracurricular activities that will encourage a sense of community and develop leadership, teamwork, social, and organizational skills
- learn entrepreneurial skills that will be advantageous in their future
- develop self-respect and respect for others and their community

PROGRAMS AT ARTHUR VOADEN

A Foundation for the Future

Students at AVSS have the distinct advantage of having a wider variety of courses from which to choose than any other school in the area. An outstanding academic program has, over the years, prepared many students for post-secondary educational experiences. Many AVSS graduates have received scholarships from universities, colleges, and private donors. In addition, the Arthur Voaden Scholarship Fund awards graduating students with scholarships that total approximately \$30,000 each year. Students at AVSS have the chance to choose from five Specialist High Skills Major programs and other numerous enrichment opportunities which exist in every subject in the school. The extracurricular opportunities provided at AVSS are second to none, and students can choose teams, clubs or activities that suit their interests and future needs. Use this booklet and information from the Guidance Department, teachers, and parents/guardians to choose courses that will lead to success in your future.

REGISTRATION

All Arthur Voaden students will register online in MyBlueprint in January.

Selecting Courses

The student and his/her parent/guardian are responsible for the correct selection of courses based on the student's desired destination and ability. The student is responsible for ensuring that the courses selected satisfy the requirements of the OSSD. Consultation with guidance counsellors and teachers may help in a student's decision.

It is critical that students **CHOOSE WISELY**. The selection of courses by students determines the structure of the school timetable and **CHANGING COURSES AT A LATER DATE MAY NOT BE PERMISSIBLE** unless a prerequisite course is completed successfully. A course may not be offered if an insufficient number of students register for it. Some courses may be offered in alternating years to accommodate low enrollment. Every effort will be made to provide each student with an equal educational opportunity.

Recommended Programs

The school recommends programs to students based upon the student's achievement and recognized abilities. **THE FINAL CHOICE RESTS WITH THE STUDENT AND HIS/HER PARENT/GUARDIAN.** For course selection, transfers or course changes initiated by students under the age of majority, parental approval must be provided. The best program to take is based primarily on two factors:

- i) the specific abilities and interests of the student
- ii) the postsecondary goal or destination of the student

Course Cancellations

Some courses may be cancelled after the registration process is complete as a result of too few requests or other factors. For those students that have selected a course that is cancelled, their alternative course will be used and/or the student will be counselled to select another course.

Repeating a Course

Students who repeat a Grade 11 or 12 course that they have previously completed successfully will not earn an additional credit but may be able to increase their grade value for that course. However, each attempt and the percentage grade obtained is recorded on the Ontario Student transcript (OST), and an "R" is entered in the "Credit" column for the course(s) with the lower percentage grade.

Credit Recovery

Some students that have been unsuccessful in a course may be eligible to enroll in a credit recovery course to obtain the credit from the unsuccessful attempt. The Credit Recovery Program may be one of several options for a student who has failed a credit course. Access to the Credit Recovery Program must be through a recommendation approved by the Credit Recovery Team and agreed to by the student and, where appropriate (e.g., students under the age of majority), the parent(s)/guardian(s) who share responsibility for the supervision of learning.

To be successful in this program, students should be capable of independent work. Much of the credit recovery course is designed for the student to work independently, with limited guidance. Contact your guidance counsellor for more details on course availability and enrollment.

General Information

Guidance Services

Guidance counsellors provide assistance with the selection of courses, the adjustment of new students, liaising with the elementary feeder schools, the flow of educational information to students, teachers, and parents and community agencies, and the maintenance of continuous counselling services.

In addition, the Guidance Department provides a wide range of contacts with the students via career awareness programs, interest testing, computer-assisted career exploration and special information sessions to assist in the transition to the workplace, apprenticeship, college or university. Counsellors may assist in the personal development of the student to improve their skill of communication, problem solving, decision making and social interaction skills.

Student Success Teacher

Arthur Voaden has established, in accordance with the Ministry of Education, a Student Success Teacher. The Ministry of Education requires each secondary school to have a Student Success Teacher who knows and tracks the progress of students at risk of not graduating; who supports school-wide efforts to improve outcomes for students struggling with the secondary curriculum; who provides direct support/instruction to these students in order to improve student achievement, retention, and transitions; and who works with parents and the community to support student success.

Student Success Team

The Ministry of Education requires each secondary school to have a Student Success Team comprising of the Principal or designate, the Student Success Teacher, the Guidance Department Head or designate, and Special Education Head or designate, and other members as appropriate. The Student Success Team is responsible for two primary functions: to develop school procedures and models for the effective delivery of all student success initiatives and to track, coordinate, and assume responsibility for at-risk students through the Student Success Teacher.

School Council

The Arthur Voaden School Council is a representative group of parents, a teacher, a non-teaching staff member, students, and community representatives who meet on a bi-monthly basis with the principal to discuss new ideas, issues of concern and interest and to give advice to the Principal on these matters. Everyone is invited to attend these meetings or to suggest issues to the School Council.

TYPES OF COURSES *You may choose a variety of course types, based on your interests, strengths and goals.*

Grades 9 and 10

Courses equip students with the knowledge and skills needed to meet both the university and college pathways in Grades 11 and 12

GRADE 9 AND 10 DE-STREAMED (W) AND ACADEMIC (D)

- Develop students' knowledge and skills by emphasizing practical, concrete applications of the concepts and incorporating theoretical applications

Grade 10

APPLIED (P)

- Develop students' knowledge and skills by emphasizing practical, concrete applications of the concepts and incorporating theoretical applications.
- Through consultation with classroom teachers, guidance and Administration, applied courses may be available through an opt in process.

Grade 9 and 10

LOCALLY DEVELOPED COMPULSORY CREDIT COURSES (L)

Focus on building skills

- Use relevant and practical activities that provide opportunities for students to develop their literacy, numeracy, problem-solving, decision-making and communication skills
- Prepare students for future studies in Grade 11 and 12 workplace courses, and Grade 9 and 10 de-streamed & academic courses

Grade 9 to 12

OPEN (O)

Offered in all subjects other than those listed as academic, de-streamed, applied or locally developed.

- Are designed to equip students with the knowledge and skills needed for various post-secondary pathways (e.g. Apprenticeship, Workplace, etc.)
- Emphasize theoretical aspects of the course content, but also include concrete applications

Grades 11 and 12

In Grades 11 and 12, courses offered to prepare students for post-secondary destinations include:

UNIVERSITY PREPARATION (U)

- Are designed to equip students with the knowledge and skills needed to meet entrance requirements for university programs
- Emphasize theoretical aspects of the course content, but also include concrete applications

UNIVERSITY/COLLEGE PREPARATION (M)

- Are designed to equip students with the knowledge and skills needed to meet the entrance requirements for specific university and college programs
- Emphasize both theoretical aspects and related concrete applications of the course content

COLLEGE PREPARATION (C)

- Are designed to equip students with the knowledge and skills needed to meet entrance requirements for college and apprenticeship programs
- Emphasize concrete applications of the theoretical material covered in the course

WORKPLACE PREPARATION (E)

- Are designed to equip students with the knowledge and skills needed for direct entry into the workplace or for admission to apprenticeship programs and other training programs offered in the community
- Allow students to prepare for a variety of jobs, and training programs

OPEN (O) Grades 9 to 12

THE ARTS	Subject	Grade 9	Grade 10	Grade 11	Grade 12
	Drama	ADA1O1	ADA2O1	ADA3M1	ADA4M1
	Music	AMI1O1	AMI2O1	AMI3M1	AMI4M1
	Music- Repertoire	AMR2OB			
	Visual Arts	AVI1O1	AVI2O1	AVI3M1 AVI3O1	AVI4M1 AVI4E1
BUSINESS STUDIES	Business	BEM1O1	BEM1O1	BDP3O1* BTA3O1**	BOH4M1 BOG4E1
	Computer Studies			ICS3C1	ICS4C1
CANADIAN AND WORLD STUDIES	Civics		CHV2O5		
	Geography	CGC1W1		CGD3M1** CGG3O1	CGU4M1*
	History		CHC2D1 CHC2P1 CHC2L1	CHW3M1*	CHY4U1** CHY4C1* CHM4E1
CO-OP	Cooperative Education			DCO3OD	DCO3OD
ENGLISH	Compulsory English	ENG1W1 ENG1L1	ENG2D1 ENG2P1 ENG2L1	NBE3U1 NBE3C1 NBE3E1 EMS3O1	ENG4U1 ENG4C1 ENG4E1 OLC4O1
FRENCH AS A SECOND LANGUAGE & SPANISH	French & Spanish	FSF1D1 FSF1O1	FSF2D1 LWSBD1		
GUIDANCE EDUCATION	Careers		GLC2O5		IDC4O1^ IDC4U1^
HEALTH AND PHYSICAL EDUCATION	Physical Education	PPL1O1 PPL1OF PPL1OM	PPL2O1	PPL3O1** PAF3O1**	PAF4O1* PPL4O1*
MATHEMATICS	Mathematics	MAT1L1 MTH1W	MAT2L1 MFM2P1 MPM2D1	MCR3U1 MCF3M1 MBF3C1 MEL3E1	MDM4U1 MHF4U1 MAP4C1 MEL4E1

SCIENCE	Science	SNC1W SNC1L1	SNC2D1 SNC2P1 SNC2L1		
	Biology			SBI3U1** SBI3C1**	SBI4U1**
	Chemistry			SCH3U1*	SCH4C1* SCH4U1*
SOCIAL SCIENCES AND HUMANITIES	Family Studies			HSP3U1 HSP3C1 HPC3O1	CHI4U1 HSC4M1
TECHNOLOGICAL EDUCATION	Communications		TGJ2O1	TGJ3M1	TGJ4O1 TGJ4M1
	Construction Technology		TCJ2O1	TCJ3E1 TWJ3E1	TCJ4E1 TWJ4E1
	Hairstyling and Aesthetics		TXJ2O1	TXA3E1 TXH3E1	TXA4E1 TXH4E1
	Health and Wellness			TPJ3M1	TPJ4M1
	Hospitality and Tourism		TFJ2O1	TFB3E1 TFC3E1	TFB4E1 TFC4E1
	Manufacturing Technology		TMJ2O1	TMJ3E1	TMJ4E1
	Transportation Technology		TTJ2O1	TTA3C1 TTJ3O1	TTA4C1 TTJ4E1

* This course is offered every other year. It is offered in 25/26, but will not be offered in 26/27

** This course is offered every other year. It isn't offered in 25/26, but will be offered in 26/27

^ Acceptance into this course is based on an application process that takes place in the Spring; please let guidance know if you are interested in applying

SPECIALIST HIGH SKILLS MAJOR

The Specialist High Skills Major (SHSM) is a ministry-approved program allowing students to focus their learning in a specific economic sector while meeting requirements for the Ontario Secondary School Diploma. Students are able to customize their courses to suit their interests and talents while preparing for a sector specific apprenticeship, college, university, or workplace destination. Students will be required to complete specific subjects in a major focus area and complete industry certification courses. Students can enroll in the program in their senior years after they have completed their grade 10 credit requirements. **Interested students are asked to inform their counsellor in the guidance office and complete an interview and application.**

FIVE Specialist High Skills Major programs are offered at Arthur Voaden:

Arts and Culture- Visual Arts, Instrumental and Vocal Music, Drama, Hairstyling and Aesthetics

Construction- Construction, Manufacturing, Electrical and Custom Woodworking

Health and Wellness- Health and Wellness and Physical Education

Hospitality and Tourism- Chef / Baker

Transportation- Automotive Service

Within each of the sector specific SHSMs, there are five components to be completed for graduation at which time students will receive a diploma with the SHSM designation included.

Five components of the SHSM include:

1. A package of 8–10 Grade 11 and Grade 12 credits which includes:
 - i) 4 major senior credits that provide sector-specific knowledge and skills;
 - ii) 2–4 other required senior credits from the Ontario curriculum, which include contextualized learning activities;
 - iii) 2 cooperative education credits that provide authentic learning experiences in a workplace setting
2. Sector-recognized certifications and/or training courses
3. Experiential learning and career exploration activities within the sector
4. “Reach ahead” experiences connected with the student’s chosen post-secondary pathway.
5. Development of Essential Skills and work habits required in the sector, and the use of the Ontario Skills Passport (OSP)

THE ARTS

DRAMATIC ARTS

ADA1O1	ADA2O1	ADA3M1	ADA4M1
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ADA101 DRAMA (Open)

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

Prerequisite: None

ADA201 DRAMA (Open)

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

Prerequisite: None

ADA3M1 DRAMA (University/College Preparation)

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.

Prerequisite: ADA101 or ADA201

ADA4M1 DRAMA (University/College Preparation)

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

Prerequisite: ADA3M1

MUSIC

AMI101	AMI201	AMI3M1	AMI4M1
AMR2OB			

AMI101 INSTRUMENTAL MUSIC (Open)

This course emphasizes the creation and performance of music at a level consistent with previous experience and is aimed at developing technique, sensitivity, and imagination. Students will develop musical literacy skills by using the creative and critical analysis processes in composition, performance, and a range of reflective and analytical activities. Students will develop an understanding of the conventions and elements of music and of safe practices related to music and will develop a variety of skills transferable to other areas of their life.

Prerequisite: None

AMI201 INSTRUMENTAL MUSIC (Open)

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

Prerequisite: None (AMI101 is highly recommended)

AMI3M1 INSTRUMENTAL MUSIC (University/College Preparation)

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

Prerequisite: AMI101 or AMI201

AMI4M1 INSTRUMENTAL MUSIC (University/College Preparation)

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.

Prerequisite: AMI3M1

AMI2OB INSTRUMENTAL MUSIC- REPERTOIRE (Open) (½ Credit)

Students may earn credit as part of the band repertoire. Repertoire classes may be scheduled outside the regular school day, for the full year. Each ensemble earns 0.5 credit.

VISUAL ARTS

AVI101	AVI201	AVI3M1	AVI4M1
		AVI3O1	AVI4E1

AVI101**VISUAL ARTS****(Open)**

This course is exploratory in nature, offering an overview of visual arts as a foundation for further study. Students will become familiar with the elements and principles of design and the expressive qualities of various materials by using a range of media, processes, techniques, and styles. Students will use the creative and critical analysis processes and will interpret art within a personal, contemporary, and historical context.

Prerequisite: None

AVI201**VISUAL ARTS****(Open)**

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

Prerequisite: None

AVI3M1**VISUAL ARTS****(University / College Preparation)**

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

Prerequisite: AVI101 or AVI201

AVI3O1**VISUAL ARTS****(Open)**

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

Prerequisite: None

AVI4M1**VISUAL ARTS****(University / College Preparation)**

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

Prerequisite: AVI3M1

AVI4E1**VISUAL ARTS****(Workplace Preparation)**

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, jewellery design, and/or web design.

Prerequisite: AVI3O1

BUSINESS STUDIES

Business	BEM1O1		BDP3O1*	BOH4M1
			BTA3O1**	BOG4E1
Computer Studies			ICS3C1	ICS4C1

BEM1O1**BUILDING THE ENTREPRENEURIAL MINDSET****(Open)**

In this course, students will learn what makes an entrepreneur thrive and the skills required to succeed in today's business environment. Students will begin to develop their own entrepreneurial mindset, and learn why it's important to take initiative, adapt to change, find creative solutions, and understand the financial considerations of entrepreneurship. This hands-on course will use business software and applications to help students plan and develop their entrepreneurial ideas and learn how to present them to a target audience. Throughout the course, students will enhance their communications skills as well as develop and refine their project management skills, including goal setting, time management, and networking.

Prerequisite: None

BDP3O1*ENTREPRENEURSHIP: THE ENTERPRISING PERSON****(Open)**

*** This course is offered every other year. It is offered in 25/26, but will not be offered in 26/27**

This course examines the importance of enterprising employees in today's changing business environment. Students will learn about the skills and attributes of enterprising employees, the distinguishing features of their work environments, and the challenges and rewards of becoming an enterprising person. Students will also have an opportunity to demonstrate and develop enterprising skills by planning and organizing a school or community event.

Prerequisite: None

****BTA3O1****INFORMATION AND COMMUNICATION TECHNOLOGY: THE DIGITAL ENVIRONMENT****(Open)**

**** This course is offered every other year. It isn't offered in 25/26, but will be offered in 26/27**

This course prepares students for the digital environment. Using a hands-on approach, students will further develop information and communication technology skills through the use of common business software applications. The concept and operation of e-business will be explored, and students will design and create an e-business website. The skills developed in this course will prepare students for success in the workplace and/or postsecondary studies.

Prerequisite: None

BOH4M1 BUSINESS LEADERSHIP: MANAGEMENT FUNDAMENTALS (University/College Preparation)

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.

Prerequisite: None

BOG4E1 ORGANIZATIONAL STUDIES: MANAGING A SMALL BUSINESS (Workplace preparation)

This course focuses on the core skills and concepts required to manage a small business. Students will deal with various aspects of operations management, such as inventory, marketing, financial issues, communication, and human resources. Students will also explore the challenges facing small businesses, including hiring and training, motivating employees, and complying with legal requirements.

Prerequisite: None

COMPUTER STUDIES

ICS3C1 INTRODUCTION TO COMPUTER PROGRAMMING (College Preparation)

This course introduces students to computer programming concepts and practices. Students will write and test computer programs, using various problem-solving strategies. They will learn the fundamentals of program design and apply a software development 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.

Prerequisite: None

ICS4C1 COMPUTER PROGRAMMING (College Preparation)

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

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

GEOGRAPHY

CGC1W1		CGD3M1*	CGU4M1**
		CGG3O1	

CGC1W1 EXPLORING CANADIAN GEOGRAPHY (Destreamed)

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.

****CGD3M1 REGIONAL GEOGRAPHY (University/ College)**

**** This course is offered every other year. It isn't offered in 25/26, but will be offered in 26/27**

This course explores interrelationships between the land and people in a selected region as well as interconnections between this region and the rest of the world. Students will explore the region's environmental, socio-economic, and cultural characteristics and will investigate issues related to natural resources, economic development and sustainability, population change, globalization, and quality of life. Students will apply the concepts of geographic thinking and the geographic inquiry process, including spatial technologies, to investigate a range of geographic issues in the region. Note: This course is developed and delivered with a focus, to be determined by the school, on the geography of a selected region of the world.

Prerequisite: CGC1D1

CGG301 TRAVEL AND TOURISM: A GEOGRAPHIC PERSPECTIVE (Open)

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

Prerequisite: CGC1D1

***CGU4M1 WORLD GEOGRAPHY: URBAN PATTERNS AND POPULATION ISSUES (University/ College)**

*** This course is offered every other year. It is offered in 25/26, but will not be offered in 26/27**

The world's population is growing, it is moving and intermixing, and it is increasingly found in cities. This course explores these changes and the challenges that come with them. It investigates the forces that are shaping the world's communities, the patterns of interaction between them, the quality of life within them, and their impact on the world around them. Students will apply the concepts of geographic thinking, the geographic inquiry process, and spatial skills and technologies as they investigate issues related to population change and urban life and propose ways of enhancing the sustainability of communities around the world.

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

HISTORY

Civics	CHV2O5		
History	CHC2D1	CHW3M1*	CHY4U1**
	CHC2P1		CHY4C1**
	CHC2L1		CHM4E1

CHV2O5 CIVICS (Open) (½ Credit)

This course explores rights and responsibilities associated with being an active citizen in a democratic society. Student 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.

CHC2D1 CANADIAN HISTORY SINCE WORLD WAR I (Academic)

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

CHC2P1 CANADIAN HISTORY SINCE WORLD WAR I (Applied)

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

CHC2L1 CANADIAN HISTORY SINCE WORLD WAR I (Locally Developed)

This course focuses on the connections between the student and key people, events, and themes in Canadian history from World War I to the present. 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 practice reading, writing, visual, and oral literacy skills, and mathematical literacy skills to identify and communicate ideas in a variety of forms.

***CHW3M1 WORLD HISTORY TO THE END OF THE FIFTEENTH CENTURY (University/College Preparation)**

*** This course is offered every other year. It is offered in 25/26, but will not be offered in 26/27**

This course explores the history of various societies and civilizations around the world, from earliest times to around 1500 CE. Students will investigate a range of factors that contributed to the rise, success, and decline of various ancient and pre-modern societies throughout the world and will examine life in and the cultural and political legacy of these societies. Students will extend their ability to apply the concepts of historical thinking and the historical inquiry process, including the interpretation and analysis of evidence, when investigating social, political, and economic structures and historical forces at work in various societies and in different historical eras.

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

****CHY4U1 WORLD HISTORY SINCE THE FIFTEENTH CENTURY (University)****** This course is offered every other year. It isn't offered in 25/26, but will be offered in 26/27**

This course traces major developments and events in world history since approximately 1450. Students will explore social, economic, and political changes, the historical roots of contemporary issues, and the role of conflict and cooperation in global interrelationships. They will extend their ability to apply the concepts of historical thinking and the historical inquiry process, including the interpretation and analysis of evidence, as they investigate key issues and ideas and assess societal progress or decline in world history.

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

****CHY4C1 WORLD HISTORY SINCE THE FIFTEENTH CENTURY (College)****** This course is offered every other year. It isn't offered in 25/26, but will be offered in 26/27**

This course explores key developments and events in world history since approximately 1450, with a focus on interactions within and between various regions. Students will examine social, economic, and political developments and how they have affected different peoples. Students will extend their ability to apply the concepts of historical thinking and the historical inquiry process, including the interpretation and analysis of evidence, when investigating key turning points in world history and historical forces that have shaped our world.

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

CHM4E1 ADVENTURES IN WORLD HISTORY (Workplace Preparation)

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.

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

CO-OPERATIVE EDUCATION PROGRAM

THINK ABOUT YOUR FUTURE NOW.

Arthur Voaden Secondary School offers numerous opportunities in the co-operative education program. Students spend half of the day in regular courses at the school, and the other half-day in a business or industry within the community gaining on-the-job experiences. Co-op students receive two credits for a successful placement. All out-of-school courses have an in-school component which is a related course at the senior level, preferably taken concurrently. Co-op experiences relating to every subject in the school are now available. It is an opportunity for students to explore areas of interest before going ahead with post-secondary education in a specific field. Consequently, students are provided with significant experiential learning opportunities to realize their own potential for specific careers, thereby preparing them for the transition from the school environment to that of the community and workplace.

Half day 2 Credit Co-op - Grade 11 and 12 students may select a two-credit half day co-op (DCO3OD).

DCO3OD CREATING OPPORTUNITIES THROUGH CO-OP (Open)

This course consists of a learning experience connected to a community and a cooperative education curriculum focused on developing skills, knowledge, and habits of mind that will support students in their learning, including their education and career/life planning, at school and beyond, today and in the future. Within the context of their experience connected to a community, students will apply skills, knowledge, and habits of mind that will protect and promote their health, safety, and well-being and that will strengthen their inquiry, decision-making, and leadership skills. Students will create and implement a learning plan that meets their interests and needs, reflect on their learning, and make connections between their experience in the community and other aspects of their lives. This Co-op is a 2-credit half day co-op.

Prerequisite: None

ENGLISH

ENL1W1	ENG2D1	NBE3U1	ENG4U1
ENG1L	ENG2P1	NBC3C1	ENG4C1
	ENG2L1	NB3E1	ENG4E1
		EMS3O1	OLC4O1

ENL1W1 ENGLISH (One Pathway)

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.

ENG1L1 ENGLISH (Locally Developed)

This course provides foundational literacy and communication skills to prepare students for success in their daily lives, in the workplace, and in the grade 10 ENG2L1 course. This course is organized into strands that develop listening and talking skills, reading, and viewing skills, and writing skills. In all strands, the focus is developing foundational literacy skills and on 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 own growth in these areas.

ENG2D1 ENGLISH (Academic)

This course is designed to extend the range of oral communication, reading, writing, and media literacy skills that students need for success in their secondary school academic programs and in their daily lives. Students will 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.

Prerequisite: ENL1W1

ENG2P1 ENGLISH (Applied)

This course is designed to extend the range of oral communication, reading, writing, and media literacy skills that students need for success in secondary school and daily life. Students will study and create a variety of informational, literary, and graphic texts. An important focus will be on the consolidation of strategies and processes that help students interpret texts and communicate clearly and effectively. This course is intended to prepare students for the compulsory Grade 11 college or workplace preparation course.

Prerequisite: ENL1W1

ENG2L1 ENGLISH (Locally Developed)

In this course, students focus on extending their literacy and communication skills to prepare students for success in their daily lives, in the workplace, and in the grade 11 ENG3E1 course. This course is organized into strands that extend listening and talking skills, reading, and viewing skills, and writing skills. In all strands, the focus is refining foundational literacy skills and on using language clearly and accurately in a variety of authentic contexts. Students build on strategies and engage in the processes involved in talking, listening, reading, viewing, writing, and thinking, and reflect regularly upon their own growth in these areas.

Prerequisite: A grade 9 English credit.

NBE3U1 ENGLISH: UNDERSTANDING FNMI VOICES (University Preparation)

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

Prerequisite: ENG 2D1

NBE3C1 ENGLISH: UNDERSTANDING FNMI VOICES (College Preparation)

This course explores themes, forms, and styles of literary, informational, graphic, oral, cultural, and media text forms emerging from First Nations, Métis, and Inuit cultures in Canada, and also looks at the perspectives and influences of texts that relate to those cultures. In order to understand contemporary text forms and their themes of identity, relationship, and self-determination, sovereignty, or self-governance, students will study 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.

Prerequisite: ENG 2D1 or ENG 2P1

NBE3E1 ENGLISH: UNDERSTANDING FNMI VOICES (Workplace Preparation)

This course explores themes, forms, and stylistic elements of literary, informational, graphic, oral, cultural, and media texts emerging from First Nations, Métis, and Inuit cultures in Canada, as well as some texts that relate to those cultures. In order to better understand contemporary texts, students will explore connections between traditional and contemporary text forms and cultural and community aspects of identity, relationships, and self-determination, sovereignty or self-governance. Students will also create oral, written, and media texts focusing on the development of literacy, communication, and critical thinking skills necessary for success in the workplace and daily life. The course is intended to prepare students for the compulsory Grade 12 English workplace preparation course.

Prerequisite: ENG 2P1 or ENG 2L1

EMS301 MEDIA STUDIES (Open)

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

Prerequisite: ENG 2D1 or ENG 2P1

ENG4U1 ENGLISH (University Preparation)

This course emphasizes the consolidation of the literacy, communication, and critical and creative thinking skills necessary for success in academic and daily life. Students will analyse a range of challenging literary texts from various periods, countries, and cultures; interpret and evaluate informational and graphic texts; and create oral, written, and media texts in a variety of forms. An important focus will be on using academic language coherently and confidently, selecting the reading strategies best suited to particular texts and particular purposes for reading, and developing greater control in writing. The course is intended to prepare students for university, college, or the workplace.

Prerequisite: ENG 3U1

ENG4C1**ENGLISH****(College Preparation)**

This course emphasizes the consolidation of literacy, communication, and critical and creative thinking skills necessary for success in academic and daily life. Students will analyse a variety of informational and graphic texts, as well as literary texts from various countries and cultures, and create oral, written, and media texts in a variety of forms for practical and academic purposes. An important focus will be on using language with precision and clarity and developing greater control in writing. The course is intended to prepare students for college or the workplace.

Prerequisite: ENG 3C1

ENG4E1**ENGLISH****(Workplace Preparation)**

This course emphasizes literacy, communication, and critical thinking skills necessary for success in the workplace. Students will analyse informational, graphic, and literary texts and create oral, written, and media texts in a variety of forms for workplace-related and practical purposes. An important focus will be on using language accurately and organizing ideas and information coherently. The course prepares students for the workplace and active citizenship.

Prerequisite: ENG 3E1

OLC4O1**ONTARIO SECONDARY SCHOOL LITERACY COURSE****(Open)**

This course is designed to help students acquire and demonstrate the cross-curricular literacy skills that are evaluated by the Ontario Secondary School Literacy Test (OSSLT). Students who complete the course successfully will meet the provincial literacy requirement for graduation and satisfy a senior English compulsory credit. 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 new reports. Students will maintain and manage a portfolio containing a record of their reading experiences and samples of their writing. Conditions apply for acceptance into this course

FRENCH & SPANISH

FSF1D1	FSF2D1		
FSF1O1	LWSBD1		

FSF1D1**CORE FRENCH****(One Pathway)**

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.

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

FSF1O1**CORE FRENCH****(Open)**

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

Prerequisite: None

FSF2D1**CORE FRENCH****(Academic)**

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

Prerequisite: FSF1D1 or FSF1P1

LWSBD1**SPANISH****(Open)**

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

Prerequisite: None

GUIDANCE AND CAREER EDUCATION

GLE101	GLC205		IDC401^ IDC4U1^
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GLE101

LEARNING STRATEGIES

(Open)

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

Prerequisite: Recommendation of Principal / LST; student must have an IEP

GLC205 CAREER STUDIES

(Open) (1/2 credit course)

This course teaches students how to develop and achieve personal goals for future learning, work, and community involvement. Students will assess their interests, skills, and characteristics and investigate current economic and workplace trends, work opportunities, and ways to search for work. The course explores postsecondary learning and career options, prepares students for managing work and life transitions, and helps students focus on their goals through the development of a career plan.

Prerequisite: None

^IDC4U1/O1

LEADERSHIP AND PEER SUPPORT

(University/ Open)

^ Acceptance into this course is based on an application process that takes place in the Spring; please let guidance know if you are interested in applying

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

Prerequisite: Career Studies, Grade 10 Open

HEALTH AND PHYSICAL EDUCATION

PPL101	PPL201	PAF301**	PAF401*
PPL10F		PPL301**	PPL401*
PPL10M			

PPL101/F/M

HEALTHY ACTIVE LIVING EDUCATION

(Open)

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.

PPL201

HEALTHY ACTIVE LIVING EDUCATION

(Open)

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.

Prerequisite: None

**PAF301

HEALTH FOR LIFE (PERSONAL FITNESS)

(Open)

**** This course is offered every other year. It isn't offered in 25/26, but will be offered in 26/27**

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 variety of training methods, and the implementation of personal fitness programs, students will enhance their movement competence, personal fitness, and confidence. Students also acquire an understanding of the factors and skills that contribute to healthy development and learn how their own well-being is affected by, and affects, the world around them. Students build their sense of self, learn to interact positively with others, and develop their ability to think critically and creatively.

Prerequisite: None

**PPL301

HEALTHY ACTIVE LIVING EDUCATION

(Open)

**** This course is offered every other year. It isn't offered in 25/26, but will be offered in 26/27**

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.

Prerequisite: None

***PAF401 HEALTH FOR LIFE (PERSONAL FITNESS) (Open)**

*** This course is offered every other year. It is offered in 25/26, but will not be offered in 26/27**

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 variety of training methods, and the implementation of personal fitness programs, students will enhance their movement competence, personal fitness, and confidence. Students also acquire an understanding of the factors and skills that contribute to healthy development and learn how their own well-being is affected by, and affects, the world around them. Students build their sense of self, learn to interact positively with others, and develop their ability to think critically and creatively.

Prerequisite: None

***PPL401 HEALTHY ACTIVE LIVING EDUCATION (Open)**

*** This course is offered every other year. It is offered in 25/26, but will not be offered in 26/27**

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

Prerequisite: None

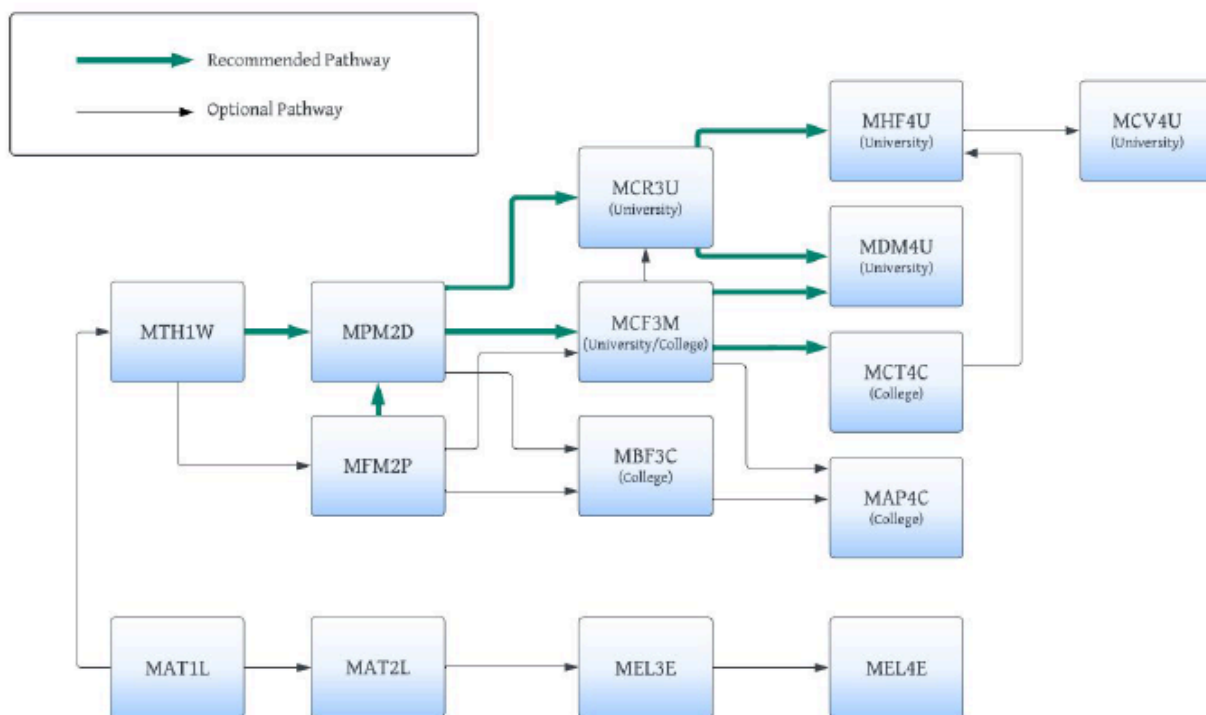
MATHEMATICS

MAT1L1	MAT2L1	MCR3U1	MDM4U1
MTH1W	MPM2D1	MCF3M1	MHF4U1
	MFM2P1	MBF3C1	MAP4C1
		MEL3E1	MEL4E1



Thames Valley
District School Board

TVDSB Secondary Math Pathway 2025/2026



MAT1L1 ESSENTIAL MATHEMATICS (Locally Developed)

This course emphasizes further development of mathematical knowledge and skills to prepare students for success in their everyday lives, in the workplace, and in the Grade 10 LDCC course. The course is organized in 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.

MTH1W1 PRINCIPLES OF MATHEMATICS

This course enables students to consolidate, and continue to develop, an understanding of mathematical concepts related to number sense and operations, algebra, measurement, geometry, data, probability, and financial literacy. Students will use mathematical processes, mathematical modelling, and coding to make sense of the mathematics they are learning and to apply their understanding to culturally responsive and 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.

MAT2L1 ESSENTIAL MATHEMATICS (Locally Developed)

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

Prerequisite: A grade 9 math credit

MPM2D1 PRINCIPLES OF MATHEMATICS (Academic)

This course enables students to broaden their understanding of relationships and extend their problem-solving and algebraic skills through investigation, the effective use of technology, and abstract reasoning. Students will explore quadratic relationships and their applications; solve and apply linear systems; verify properties of geometric figures using analytic geometry; and investigate the trigonometry of right and acute triangles. Students will reason mathematically as they solve multistep problems and communicate their thinking.

Prerequisite: MTH1W1

MFM2P1 FOUNDATIONS OF MATHEMATICS (Applied)

This course enables students to consolidate their understanding of relationships and extend their problem-solving and algebraic skills through investigation, the effective use of technology, and hands-on activities. Students will develop and graph equations in analytic geometry; solve and apply linear systems, using real-life examples; and explore and interpret graphs of quadratic relationships. Students will investigate similar triangles, the trigonometry of right-angled triangles, and the measurement of three-dimensional objects. Students will consolidate their mathematical skills as they solve problems.

Prerequisite: MTH1W1

MCR3U1 FUNCTIONS (University Preparation)

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

Prerequisite: MPM2D1 Principles of Mathematics, Grade 10 Academic

MCF3M1 FUNCTIONS AND APPLICATIONS (University/ College Preparation)

This course introduces basic features of the function by extending students' experiences with quadratic relations. It focuses on quadratic, trigonometric, and exponential functions and their use in modelling real-world situations. Students will represent functions numerically, graphically, and algebraically; simplify expressions; solve equations; and solve problems relating to applications. Students will reason mathematically and communicate their thinking as they solve multi-step problems.

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

MBF3C1 FOUNDATIONS FOR COLLEGE MATHEMATICS (College Preparation)

This course enables students to broaden their understanding of mathematics as a problem-solving tool in the real world. Students will extend their understanding of quadratic relations, as well as of measurement and geometry; investigate situations involving exponential growth; solve problems involving compound interest; solve financial problems connected with vehicle ownership; and develop their ability to reason by collecting, analysing, and evaluating data involving one and two variables. Students will consolidate their mathematical skills as they solve problems and communicate their thinking.

Prerequisite: MFM2P1 Foundations of Mathematics, Grade 10 Applied

MEL3E1 MATHEMATICS FOR WORK AND EVERYDAY LIFE (Workplace Preparation)

This course enables students to broaden their understanding of mathematics as it is applied in the workplace and daily life. Students will solve problems associated with earning money, paying taxes, and making purchases; apply calculations of simple and compound interest in saving, investing, and borrowing; and calculate the costs of transportation and travel in a variety of situations. Students will consolidate their mathematical skills as they solve problems and communicate their thinking.

Prerequisite: MTH1W or MAT2L

MDM4U1 MATHEMATICS OF DATA MANAGEMENT (University Preparation)

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

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

MHF4U1 ADVANCED FUNCTIONS (University Preparation)

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

Prerequisite: Functions, Grade 11, University Preparation

MAP4C1 FOUNDATIONS FOR COLLEGE MATHEMATICS (College Preparation)

This course enables students to broaden their understanding of real-world applications. Students will analyse data using statistical methods; solve problems involving applications of geometry and trigonometry; simplify expressions; and solve equations. Students will reason mathematically as they solve multi-step problems. This course prepares students for college programs in areas such as business, health sciences, and human services, and for certain skilled trades.

Prerequisite: Foundations for College Mathematics, Grade 11, College Preparation

MEL4E1 MATHEMATICS FOR WORK AND EVERYDAY LIFE (Workplace Preparation)

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

Prerequisite: Mathematics for Work and Everyday Life, Grade 11, Workplace Preparation

SCIENCE

SNC1L1	SNC2D1	SBI3U1**	SBI4U1**
SNC1W1	SNC2P1	SBI3C1**	SCH4C1*
	SNC2L1	SCH3U1*	SCH4U1*

SNC1L1 SCIENCE (Locally Developed)

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 and success in the workplace. 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.

Prerequisite: None

SNC1W1 SCIENCE (Destreamed)

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

Prerequisite: None

SNC2D1 SCIENCE (Academic)

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

Prerequisite: Science, Grade 9, Academic or Applied

SNC2P1 SCIENCE (Applied)

This course enables students to develop a deeper understanding of concepts in biology, chemistry, earth and space science, and physics, and to apply their knowledge of science in real-world situations. Students are given opportunities to develop further practical skills in scientific investigation. Students will plan and conduct investigations into everyday problems and issues related to human cells and body systems; chemical reactions; factors affecting climate change; and the interaction of light and matter.

Prerequisite: SNC1W1

SNC2L1 SCIENCE (Locally Developed)

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

Prerequisite: None

BIOLOGY

****SBI3U1**

BIOLOGY

(University Preparation)

**** This course is offered every other year. It isn't offered in 25/26, but will be offered in 26/27**

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

Prerequisite: Science, Grade 10, Academic

****SBI3C1**

BIOLOGY

(College Preparation)

**** This course is offered every other year. It isn't offered in 25/26, but will be offered in 26/27**

This course focuses on the processes that occur in biological systems. Students will learn concepts and theories as they conduct investigations in the areas of cellular biology, microbiology, genetics, the anatomy of mammals, and the structure of plants and their role in the natural environment. Emphasis will be placed on the practical application of concepts, and on the skills needed for further study in various branches of the life sciences and related fields.

Prerequisite: Science, Grade 10, Academic or Applied

****SBI4U1**

BIOLOGY

(University Preparation)

**** This course is offered every other year. It isn't offered in 25/26, but will be offered in 26/27**

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 these skills needed for further study in various branches of the life sciences and related fields.

Prerequisite: Biology, Grade 11, University Preparation

CHEMISTRY

***SCH3U1**

CHEMISTRY

(University Preparation)

*** This course is offered every other year. It is offered in 25/26, but will not be offered in 26/27**

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. **NOTE: SCH3UO is the Online Version of this course; please select it only if you wish to complete it online.**

Prerequisite: Science, Grade 10, Academic

***SCH4U1**

CHEMISTRY

(University Preparation)

*** This course is offered every other year. It is offered in 25/26, but will not be offered in 26/27**

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

Prerequisite: Chemistry, Grade 11, University Preparation

***SCH4C1**

CHEMISTRY

(College Preparation)

*** This course is offered every other year. It is offered in 25/26, but will not be offered in 26/27**

This course enables students to develop an understanding of chemistry through the study of matter and qualitative analysis, organic chemistry, electrochemistry, chemical calculations, and chemistry as it relates to the quality of the environment. Students will use a variety of laboratory techniques, develop skills in data collection and scientific analysis, and communicate scientific information using appropriate terminology. Emphasis will be placed on the role of chemistry in daily life and the effects of technological applications and processes on society and the environment.

Prerequisite: Science, Grade 10, Academic or Applied

SOCIAL SCIENCES AND HUMANITIES

Introduction to Anthropology, Psychology, and Sociology	HSP3U1 HSP3C1
Raising Healthy Children	HPC3O1
Deconstructing Anti-Black Racism in the Canadian and North American Context	CHI4U1
World Cultures	HSC4M1

HSP3U1

INTRODUCTION TO ANTHROPOLOGY, PSYCHOLOGY AND SOCIOLOGY (University Preparation)

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

Prerequisite: Grade 10 Academic English or History

HSP3C1 INTRODUCTION TO ANTHROPOLOGY, PSYCHOLOGY AND SOCIOLOGY (College Preparation)

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

Prerequisite: None

HPC3O1 RAISING HEALTHY CHILDREN (Open)

This course focuses on the skills and knowledge parents, guardians, and caregivers need, with particular emphasis on maternal health, pregnancy, birth, and the early years of human development (birth to six years old). Through study and practical experience, students will learn how to meet the developmental needs of young children and communicate with them. Students will develop their research skills through investigations related to caregiving and child rearing.

Prerequisite: None

CHI4U1 DECONSTRUCTING ANTI-BLACK RACISM IN THE CANADIAN AND NORTH AMERICAN CONTEXT (U Prep)

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

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

HSC4M1 WORLD CULTURES (University/ College Preparation)

This course examines the nature of culture; how cultural identities are acquired, maintained, and transformed; and theories used to analyse cultures. Students will explore world cultures, with an emphasis on the analysis of religious and spiritual beliefs, art forms, and philosophy. They will study the contributions and influence of a range of cultural groups and will critically analyse issues facing ethnocultural groups within Canada and around the world. Students will develop and apply research skills and will design and implement a social action initiative relating to cultural diversity.

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

TECHNOLOGICAL EDUCATION

Communications		TGJ2O1	TGJ3M1	TGJ4O1 TGJ4M1
Construction Technology		TCJ2O1	TCJ3E1 TWJ3E1	TCJ4E1 TWJ4E1
Hairstyling and Aesthetics		TXJ2O1	TXA3E1 TXH3E1	TXA4E1 TXH4E1
Health and Wellness			TPJ3M1	TPJ4M1
Hospitality and Tourism		TFJ2O1	TFB3E1 TFC3E1	TFB4E1 TFC4E1
Manufacturing Technology		TMJ2O1	TMJ3E1	TMJ4E1
Transportation Technology		TTJ2O1	TTA3C1 TTJ3O1	TTA4C1 TTJ4E1

COMMUNICATIONS TECHNOLOGY

TGJ2O1 COMMUNICATIONS TECHNOLOGY: GRAPHIC DESIGN, PHOTOGRAPHY AND DIGITAL FILM MAKING (Open)

This course introduces students to communications technology from a media perspective. Students will work in the areas of TV/video and movie production, radio and audio production, print and graphic communications, photography and animation. Student projects may include computer-based activities such as creating videos, editing photos, working with audio, cartooning, developing animations and designing web pages. Students will also develop an awareness of environmental and societal issues related to communications technology and explore secondary and post-secondary education and training pathways and career opportunities in the various communication technology fields.

Prerequisite: None

TGJ3M1 COMMUNICATIONS TECHNOLOGY (TV, Video and Movie Production) (University/ College Preparation)

This course examines communications technology from a media perspective. Students will develop knowledge and skills as they design and produce media projects in the areas of live, recorded, and graphic communications. These areas may include TV, video and movie production; radio and audio production; print and graphic communications; photography; digital imaging; broadcast journalism; and interactive new media. Also, students will develop an awareness of related environmental and societal issues and explore college and university programs and career opportunities in the various communication technology fields. This VTV (Vikings TV) course will give students an opportunity to use the school television studio to edit and produce live programs.

Prerequisite: None

TGJ4M1 COMMUNICATIONS TECHNOLOGY: (TV, Video and Movie Production) (University/College Preparation)

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

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

TGJ4O1 COMMUNICATIONS TECHNOLOGY: Yearbook (Open)

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

Prerequisite: None

CONSTRUCTION TECHNOLOGY

TCJ2O1 CONSTRUCTION TECHNOLOGY (Open)

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. Students will develop an awareness of environmental and societal issues related to construction and will explore postsecondary pathways leading to careers in the industry.

Prerequisite: None

TCJ3E1 CONSTRUCTION TECHNOLOGY (Workplace Preparation)

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

Prerequisite: None

TCJ4E1 CONSTRUCTION TECHNOLOGY (Workplace Preparation)

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 explore entrepreneurship and career opportunities in the industry that may be pursued directly after graduation.

Prerequisite: Construction Technology, Grade 11, Workplace Preparation

CABINET MAKING

TWJ3E1 CUSTOM WOODWORKING (Workplace Preparation)

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

Prerequisite: None

TWJ4E1 CUSTOM WOODWORKING (Workplace Preparation)

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

Prerequisite: Custom Woodworking, Grade 11, Workplace Preparation

HAIRSTYLING AND AESTHETICS

TXJ2O1 HAIRSTYLING AND AESTHETICS (Open)

This course presents hairstyling, make-up, and nail care techniques from a salon/spa perspective. Through a variety of school and community-based activities, students learn fundamental skills in hairstyling, giving manicures and facials and providing hair/scalp analyses, and treatments. Students also consider related environmental and societal issues and explore secondary and postsecondary pathways leading to careers in the field of hairstyling and aesthetics.

Prerequisite: None

TXA3E1 HAIRSTYLING AND AESTHETICS: AESTHETICS (Workplace Preparation)

This course enables students to develop knowledge and skills in cosmetology and offers a variety of applications that will equip students to provide services for a diverse clientele. Students identify trends in the hairstyling and aesthetics industry, learn about related health and safety laws, and expand their communication and interpersonal skills through interactions with peers and clients. Students consider environmental and societal issues related to the industry and acquire a more detailed knowledge of apprenticeships and direct entry work positions.

Prerequisite: None

TXH3E1 HAIRSTYLING AND AESTHETICS: HAIRSTYLING (Workplace Preparation)

This course enables students to develop knowledge and skills in cosmetology and offers a variety of applications that will equip students to provide services for a diverse clientele. Students identify trends in the hairstyling and aesthetics industry, learn about related health and safety laws, and expand their communication and interpersonal skills through interactions with peers and clients. Students consider environmental and societal issues related to the industry and acquire a more detailed knowledge of apprenticeships and direct entry work positions.

Prerequisite: None

TXA4E1 HAIRSTYLING AND AESTHETICS: AESTHETICS (Workplace Preparation)

This course enables students to develop increased proficiency in a wide range of hairstyling and aesthetics services. Working in a salon/spa team environment, students strengthen their fundamental cosmetology skills and develop an understanding of common business practices and strategies in the salon industry. Students expand their understanding of environmental and societal issues and their knowledge of postsecondary destinations in hairstyling and aesthetics.

Prerequisite: Hairstyling and Aesthetics, Grade 11, Workplace Preparation

TXH4E1 HAIRSTYLING AND AESTHETICS: HAIRSTYLING (Workplace Preparation)

This course enables students to develop increased proficiency in a wide range of hairstyling and aesthetics services. Working in a salon/spa team environment, students strengthen their fundamental cosmetology skills and develop an understanding of common business practices and strategies in the salon/spa industry. Students expand their understanding of environmental and societal issues of postsecondary destinations in the hairstyling and aesthetics industry.

Prerequisite: Hairstyling and Aesthetics, Grade 11, Workplace Preparation

HEALTH AND WELLNESS

TPJ3M1 HEALTH CARE (University/ College Preparation)

This course enables students to develop their understanding of basic health care procedures, including the safe use of appropriate instruments, equipment and materials. Students will focus on health care fundamentals, including health care terminology and the anatomical features and physiology of some major body systems. Students will develop an awareness of health and safety issues in the health care field, environmental and societal issues related to health care, professional practice standards, and career opportunities in the field.

Prerequisite: None

TPJ4M1 HEALTH CARE (University/ College Preparation)

This course focuses on the development of clinical skills needed to assess general health status. Students will learn about accepted health practices and demonstrate an understanding of some basic procedures and the use of appropriate instruments and equipment. They will identify the characteristics of the human immune system and learn about pathology and disease prevention and treatment. Students will expand their awareness of workers' health and safety issues, environmental and societal issues related to health care, professional practice standards, and postsecondary destinations in the field.

Prerequisite: Health Care, Grade 11, College/University Preparation

HOSPITALITY AND TOURISM

TFJ2O1 HOSPITALITY AND TOURISM (INTRO TO BAKING & COOKING) (Open)

This course provides students with opportunities to explore different areas of hospitality and tourism, as reflected in the various sectors of the tourism industry, with an emphasis on food service. Students will study culinary techniques of food handling and preparation, health and safety standards, the use of tools and equipment, the origins of foods, and event planning, and will learn about tourism attractions across Ontario. Students will develop an awareness of related environmental and societal issues and will explore secondary and postsecondary pathways leading to careers in the tourism industry.

Prerequisite: None

TFB3E1 HOSPITALITY AND TOURISM: BAKING (Workplace Preparation)

This course enables students to acquire knowledge and skills related to the food and beverage services sector of the tourism industry. Students will learn how to prepare, present, and serve food using a variety of tools and equipment and will develop an understanding of the fundamentals of providing high quality service to ensure customer satisfaction and the components of running a successful event or activity. Students will develop an awareness of health and safety practices, environmental and societal issues, and career opportunities in the food and beverage services sector.

Prerequisite: None

TFC3E1 HOSPITALITY AND TOURISM: COOKING (Workplace Preparation)

This course enables students to develop or expand knowledge and skills related to hospitality and tourism, as reflected in the various sectors of the tourism industry. Students will learn about preparing and presenting food, evaluating facilities, controlling inventory, and marketing and managing events and activities, and will investigate customer service principles and the cultural and economic forces that drive tourism trends. Students will develop an awareness of health and safety standards, environmental and societal issues, and career opportunities in the tourism industry.

Prerequisite: None

TFB4E1 HOSPITALITY AND TOURISM: BAKING (Workplace Preparation)

This course enables students to further develop knowledge and skills related to the food and beverage services sector of the tourism industry. Students will demonstrate proficiency in using food preparation and presentation tools and equipment; plan nutritious menus, create recipes, and prepare and present

finished food products; develop customer service skills; and explore event and activity planning. Students will expand their awareness of health and safety practices, environmental and societal issues, and career opportunities in the food and beverage services sector.

Prerequisite: Hospitality and Tourism, Grade 11, Workplace Preparation

TFC4E1 HOSPITALITY AND TOURISM: COOKING (Workplace Preparation)

This course enables students to further develop knowledge and skills related to the various sectors of the tourism industry. Students will demonstrate advanced food preparation and presentation skills; increase health and wellness knowledge; develop tourism administration and management skills; design and implement a variety of events or activities; and investigate principles and procedures that contribute to high-quality customer service. Students will expand their awareness of health and safety issues, environmental and societal issues, and career opportunities in the tourism industry.

Prerequisite: Hospitality and Tourism, Grade 11, Workplace Preparation

MANUFACTURING TECHNOLOGY

TMJ2O1 MANUFACTURING TECHNOLOGY (Open)

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

Prerequisite: None

TMJ3E1 MANUFACTURING TECHNOLOGY (Workplace Preparation)

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

Prerequisite: None

TMJ4E1 MANUFACTURING TECHNOLOGY (Workplace Preparation)

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

Prerequisite: Manufacturing Technology, Grade 11, Workplace Preparation

TRANSPORTATION TECHNOLOGY

TTJ2O1 TRANSPORTATION TECHNOLOGY (INTRO TO AUTO) (Open)

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.

Prerequisite: None

TTA3C1 TRANSPORTATION TECHNOLOGY: AUTO SERVICE (College Preparation)

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

Prerequisite: None

TTJ3O1 TRANSPORTATION TECHNOLOGY: VEHICLE OWNERSHIP (Open)

This general interest course enables students to become familiar with the options and features of various vehicles, issues of registration, and the legal requirements affecting vehicle owners. Students will also learn about vehicle financing and insurance, vehicle maintenance, emergency procedures, and the responsibilities of being a vehicle owner. Students will develop an awareness of environmental and societal issues related to vehicle ownership and use and will explore career opportunities in the transportation industry.

Prerequisite: None

TTA4C1 TRANSPORTATION TECHNOLOGY: AUTO SERVICE (College Preparation)

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

Prerequisite: Transportation Technology, College Preparation, Grade 11

TTJ4E1 TRANSPORTATION TECHNOLOGY: VEHICLE MAINTENANCE (Workplace Preparation)

This course introduces students to the servicing, repair, and maintenance of vehicles through practical applications. The course is appropriate for all students as a general interest course to prepare them for future vehicle operation, care, and maintenance or for entry into an apprenticeship in the motive power trades. Students will develop an awareness of environmental and societal issues related to transportation and will learn about careers in the transportation industry and the skills and training required for them.

Prerequisite: None