




Clarke High School

2023-2024 Course Calendar

<http://clarke.kprdsb.ca>



From the administration...

Welcome to Clarke High School. This is an important time of the year when students plan and choose their educational program for the upcoming school year. It is also an opportunity for students to review and discuss, with their parents, their academic goals and to determine appropriate course choices.

It is the responsibility of all students to be well informed and to choose their courses accurately as it becomes difficult to switch to other courses after the school timetable has been developed and the school year has begun. If there are any specific questions related to programs, students should speak with their teachers or the Guidance/Student Success staff before choosing their courses for the next school year.

myBlueprint allows you, as students, to plan and map out your courses throughout your high school years. Many senior courses have prerequisites. It is very important to carefully read the information provided in this calendar.

The Staff and Administration at Clarke High School are very dedicated to ensuring our students experience success and to improving overall student achievement.

Clarke High School offers courses which meet the learning needs and interests of our students. Students are encouraged to consider all options and opportunities made available. With careful planning and reviewing the course selections, every student can work towards accomplishing their academic goals.

We look forward to working with all our students. You will enjoy being part of an exciting and engaging learning environment. Best wishes!

S. Grdovic
Principal

Academics. Community. Leadership



Clarke High School has its heart in the community, and provides an exceptional education for every pathway. Clarke High School offers diverse experiences in academics, leadership and extra curricular activities, while maintaining an inclusive, supportive environment that nurtures every student.

Raiders are Ready for the Future

With extensive opportunities within the classroom and outside its walls, Raiders are developing the essential skills to prepare them for the future.



#Raidernation Pride

Raider staff and students are proud of Clarke High School and their role within it. To hear Raiders describe their experience at Clarke, watch the Clarke HS Video on YouTube!

<http://bit.ly/clarkeraiders>



PROGRAM OPPORTUNITIES

COURSES

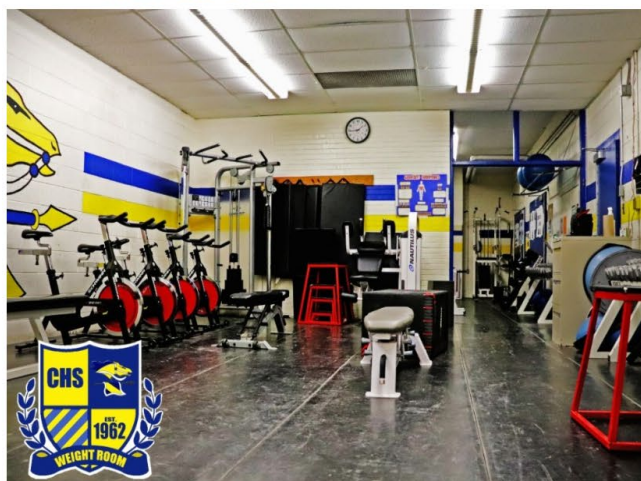
- Arts - including music, strings, band (Jazz & Rock), guitar and visual arts
- Business - accounting, entrepreneurship, marketing and international business
- Computers & Communication- including digital imagery, programming, animation, yearbook and web design
- E-learning Hub - access to a wide variety of courses within KPR and beyond
- Skilled Trades & Technology - Construction (single or dual credit)

SPECIALTY PROGRAMS

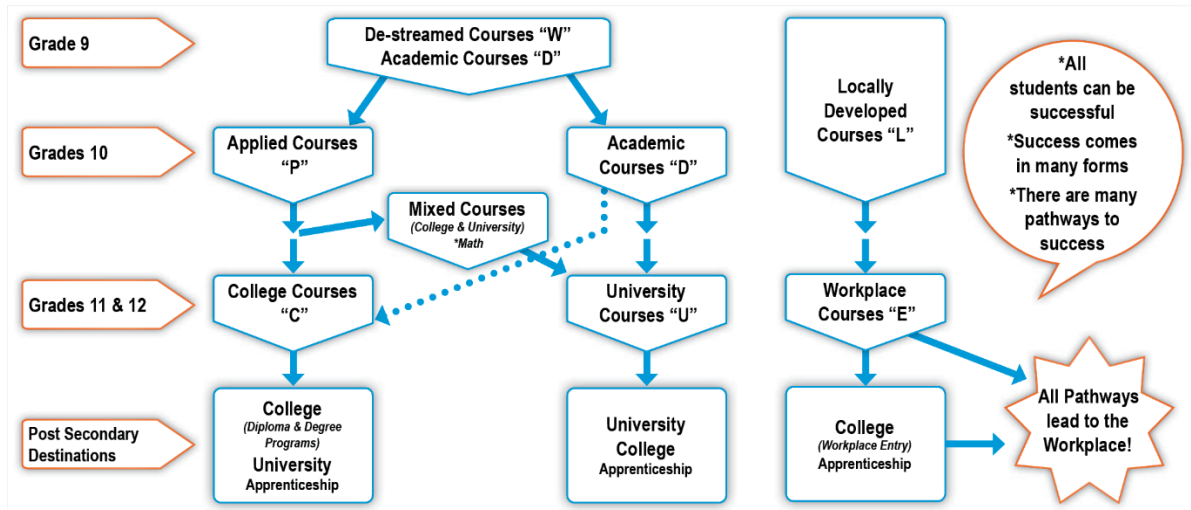
- Specialist High Skills Major (SHSM) - earn sector specific certifications and prepare for a future in Health in Wellness or Construction
- Cooperative Education - opportunity to learn "on - the - job" while earning credits (available as half or full day for Grades 11 & 12)
- Ontario Youth Apprenticeship Program (OYAP) -begin Level 1 Apprenticeship training and certification in high school
- Dual Credit Programs - college and high school credits can be earned at the same time

CO-CURRICULAR

- Softball/Baseball
- Soccer
- Volleyball
- Games Club
- Student Council
- Basketball
- French Club
- Terry Fox Run Volunteers
- Jazz Ensemble
- Yearbook
- Woodworking Club
- Curling Club
- Track & Field
- Choir
- Equity & Diversity
- Hockey
- Badminton
- Strings Ensemble
- Concert Band
- Wellness Club



Course Types



P

Applied

- » Learn essential concepts of a subject
- » Practical, hands-on application
- » Greater teacher direction, instruction & guided learning

D

Academic

- » Learn essential concepts of a subject and explore related materials
- » Emphasis on theory and abstract thinking as basis of future learning
- » Students are comfortable with independent learning

L

Locally Developed

- » Learn essential concepts of a subject
- » Practical, hands-on application
- » Build life-skills within subject
- » Smaller class sizes for increased teacher support (recommended for those with specific learning needs)

O

Open

- » Learn concepts and skills designed to prepare for further study in the subject area
- » Appropriate for all learners
- » Optional courses in Grade 9 offered as "Open" courses

W

De-streamed

- » Learn concepts and skills designed to further study in the subject area
- » Grade 9 courses designed to ensure all students have access to the necessary skills moving into Grade 10

M





Mixed

- » Learn concepts and skills designed to meet the entrance requirements of specific post-secondary programs
- » Includes content that is relevant for both college and university programs

Ontario Secondary School Diploma (OSSD) Requirements

	Grade 9	Grade 10	Grade 11	Grade 12
Compulsory Courses (18 in total)	English Geography Mathematics Healthy Active Living	Careers English Mathematics Civics History Science	English Mathematics	English
Group Courses (3 in total, one in each group)	Group 1: English or French as a Second Language; Native Language; classical or international language; Social Sciences & Humanities; Canadian & World Studies; Guidance & Career Education; Cooperative Education Group 2: Health and Physical Education; the Arts; Business Studies; French as a Second Language; Cooperative Education Group 3: Science (Grade 11 or 12); Technological Education; French as a Second Language; Computer Studies; Cooperative Education			
	Ontario Secondary School Diploma (OSSD): 18 Compulsory Credits + 12 Elective Credits + 40 Community Hours + Literacy Test in Grade 10			
Elective Courses (12 in total)	Electives - two courses that meet graduation requirements. For example, students can choose to take: Information and Communication Technology in Business Exploring Technologies (Construction) Exploring Family Studies Music Visual Arts Healthy Active Living	Students are encouraged to choose electives in new areas, expanding their opportunities and experiences within their education. Students should also consider selecting a course from one of the three Compulsory Group Requirements.	Students should choose electives with two things in mind: post-secondary prerequisites and the exploration of career opportunities.	University Requirements: 6 Grade 12 U (University) or M (Mixed- University, College) level courses. College Requirements: Grade 12 C (College) or U (University) English; Grades 11 & 12 C, U or M level courses and any prerequisites for the program. Apprenticeship Requirements: Grade 12 E (Workplace) or C (College) Math. Possibly Physics (SPH4C). Entering a compulsory trade requires registration with Skilled Trades Ontario.
Community Connections and Leadership Opportunities (You need 40 Hours to Graduate!)	Students can start accumulating their Community Hours BEFORE high school. It's recommended to complete a minimum of 20 hours by the end of this year. Intentionally select activities to build personal skills. Once students start Grade 9, they should join extra-curricular clubs or teams. This helps find your place within #Raidernation!	Aim to have your 40 hours done in Grade 10 – but don't stop there! Continue to be involved with organizations and projects that you are passionate about. Work with others, such as parents, teachers, or mentors, to begin building your resume. Consider looking for part-time work to further build your skills.	By Grade 11, students should expand their interests and skills through leadership, co-op, volunteer work, extra-curricular activities, and/or work experience. Continue building a supportive and growing resume for job prospects and post-secondary scholarship opportunities.	Continue to explore leadership opportunities and maintain your commitment to volunteer and extra-curricular activities. This will support resumes, portfolios, applications to schools and scholarships. If students are interested in an Apprenticeship or the Workplace, explore options for possible employers or journeypersons to support the transition into work.

Student Pathway Plan

<p>Individual Pathway Plan Goals</p>	<p>Grade 9 is the perfect year to build interpersonal skills, practice self-advocacy, and develop your independence and resiliency.</p> <p>Reflect as the year goes on – what has worked well this year? How do you want to continue to learn and grow in Grade 10?</p> <p>Familiarize yourself with  myBlueprint</p> <p>Select courses in Grade 12 and work backwards until your Grade 9 year. This will help you see the “big picture” with academic planning.</p>	<p>Grade 10 is a good year to begin identifying your strengths and interests. Develop plans for career pathways as part of the Careers class (GLC 205).</p> <p>Explore the areas and skill sets that will prepare you for your destination: College, University, Workplace, or Apprenticeship.</p> <p>Are you interested in Construction or Health and Wellness? Consider applying to SHSM! This Program is suitable for all pathways.</p> 	<p>Grade 11 is the time to think and plan for after High School. Explore options based on your strengths, interests, and goals. It’s never too early to start looking at schools, campuses, or careers. Meet with Guidance to get started.</p> <p>If you are thinking of an Apprenticeship, consider OYAP. Students committed to their trade pathway can apply for the Accelerated OYAP in the last semester of their Grade 12 year.</p> 	<p>Grade 12 requires a plan for leaving Clarke. Narrow down your options for what you would like to do next year and ensure you know how to apply; seek support; accept offers of admission and begin the next part of your journey! Have a Plan A and Plan B to support your goals. Know that a good Plan B will help you get to your Plan A.</p> <p>Book post-secondary tours, attend open houses and information sessions to learn about your options.</p> 
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“Entering grade 9 can be scary ... but once you get involved with sports and clubs, you open up and gain confidence.”

~ Clarke HS Gr 9 Student (2019)

“eLearning courses are convenient and there’s lots to choose from. Resources are available from anywhere and any time. I learned more knowledge, online skills and self-discipline throughout my eLearning experience.”

~ Clarke HS Gr 10 Student (2022)

“Being apart of SHSM Construction is awesome! We get to go on trips, earn certifications and work in a co-op placement.”

~ Clarke HS Gr 11 Student (2022)

“Be yourself, work hard in your classes and have fun. High School has been a great experience, but you have to put yourself out there to make it worth it!”

~ Clarke HS Graduate (2019)

Course Calendar 2023-2024

Course Code Designations (last <i>letter</i>): ENG2P vs ENG2D			v * = *Hub eLearning course	
W = De-streamed	D = Academic	L = Locally Developed	P = Applied	v = ELEARN
M = University/College	U = University	E = Workplace	C = College	O = Open
The Arts				
Grade 9	AMU1O	Music, Open		
	AVI1O	Visual Arts, Open		
Grade 10	AMU2O	Music, Open		
	AMS2O	Strings, Open		
	AVI2O	Visual Arts, Open		
Grade 11	AMU3M	Music, University/College		
	AMS3M	Strings, University/College		
	AVI3M	Visual Arts, University/College		
	AWA3O	Visual Arts – Crafts, Open		
Grade 12	AMU4M	Music, University/College		
	AMS4M	Strings, University/College		
	AVI4M	Visual Arts, University/College		
Business Studies				
Grade 9	BTT1O	Communication Technology in Business, Open		
Grade 11	vBDI3C*	Entrepreneurship, College (*Hub eLearning course at Clarke)		
	vBMI3C*	Marketing, College (*Hub eLearning course at Clarke)		
Grade12	vBBB4M*	International Business, University/College (*Hub eLearning course at Clarke)		
	vBOH4M*	Business Leadership, University/College (*Hub eLearning course at Clarke)		
Canadian and World Studies				
Grade 9	CGC1D	Geography of Canada, Academic		
Grade 10	CHC2D	Canadian History in the Twentieth Century, Academic		
	CHC2L	Canadian History, Locally Developed		
	CHC2P	Canadian History in the Twentieth Century, Applied		
	CHV2O	Civics (0.5 credit, to be taken with GLC2O Career Studies), Open		
Grade 11	vCGG3O*	Travel and Tourism: A Geographic Perspective, Open (*Hub eLearning course)		
	CLU3E	Understanding Canadian Law in Everyday Life, Workplace		
	CLU3M	Understanding Canadian Law, University/College		
Grade 12	vCGW4U*	World Issues: A Geographic Analysis, University (*Hub eLearning course)		
	vCHY4C*	World History Since the Fifteenth Century, College (*Hub eLearning course)		
	vCHY4U*	World History Since the Fifteenth Century, University (*Hub eLearning course)		

Cooperative Education		
Grade 11 & Grade 12	COP4XP	Single-credit Peer Helping Co-op
	COP4XD	Two-credit Co-op
	COP4X4	Four-credit / All-day Co-op
	TCJ3CD/TCJ4CD	Gold Collar / Four-credit Co-op
	COP4XY	Ontario Youth Apprenticeship Program (OYAP) / Four-credit
English		
Grade 9	ENL1W	English, De-streamed
	ENG1L	English, Locally Developed
Grade 10	ENG2D	English, Academic
	ENG2L	English, Locally Developed
	ENG2P	English, Applied
Grade 11	NBE3C	English: Understanding Contemporary First Nations, Métis and Inuit Voices, College
	NBE3E	English: Understanding Contemporary First Nations, Métis and Inuit Voices, Workplace
	NBE3U	English: Understanding Contemporary First Nations, Métis and Inuit Voices, University
Grade 12	ENG4C	English, College
	ENG4E	English, Workplace
	ENG4U	English, University
	vEWC4C*	The Writer's Craft, College (*Hub eLearning course)
	vEWC4U*	The Writer's Craft, University (*Hub eLearning course)
	vOLC4O	Ontario Secondary School Literacy Course (ELEARN)
French as a Second Language		
Grade 9	FSF1D	Core French, Academic
Grade 10	FSF2D	Core French, Academic
Grade 11	FSF3U	Core French, University
Grade 12	FSF4U	Core French, University
Guidance and Career Education		
Grade 10	GLC2O	Career Studies (0.5 credit to be taken with CHV2O Civics), Open
Health and Physical Education		
Grade 9	PPL1O	Healthy Active Living Education, Open
Grade 10	PPL2O	Healthy Active Living Education, Open
Grade 11	PAF3O	Personal and Fitness Activities, Open
	PPL3O	Healthy Active Living Education, Open

Grade 12	PAF4O	Personal and Fitness Activities, Open
	PPL4O	Healthy Active Living Education, Open
Mathematics		
Grade 9	MTH1W	Math, De-streamed
	MAT1L	Math, Locally Developed
Grade 10	MPM2D	Principles of Mathematics, Academic
	MAT2L	Math, Locally Developed
	MFM2P	Foundations of Mathematics, Applied
Grade 11	MBF3C	Foundations for College Mathematics, College
	MCF3M	Functions and Applications, University/College
	MCR3U	Functions, University
	MEL3E	Mathematics for Work and Everyday Life, Workplace
Grade 12	MAP4C	Foundations for College Mathematics, College
	MCV4U	Calculus and Vectors, University
	vMDM4U*	Data Management, University (*Hub eLearning course)
	MHF4U	Advanced Functions, University
First Nations, Métis, and Inuit Studies		
Grade 11	NBV3C	World Views and Aspirations of First Nations, Métis and Inuit Communities in Canada, College
	NBV3E	World Views and Aspirations of First Nations, Métis and Inuit Communities in Canada, Workplace
Grade 12	NDW4M	Contemporary Indigenous Issues and Perspectives in a Global Context, University/College
Science		
Grade 9	SNC1W	Science, De-streamed
	SNC1L	Science, Locally Developed
Grade 10	SNC2D	Science, Academic
	SNC2P	Science, Applied
Grade 11	SBI3U	Biology, University
	SCH3U	Chemistry, University
	SPH3U	Physics, University
	SVN3E	Environmental Science, Workplace
Science		
Grade 12	SBI4U	Biology, University
	SCH4U	Chemistry, University
	SCH4C	Chemistry, College
	SPH4U	Physics, University

Social Sciences and The Humanities	
Grade 10	HFN2O Food and Nutrition, Open
Grade 11	HFC3E Food and Culture, Workplace,
	HFC3M Food and Culture, University/College
	vHPC3O* Raising Healthy Children, Open (*Hub eLearning course)
	vHSP3C* Introduction to Anthropology, Psychology and Sociology, College (*Hub eLearning course)
	vHSP3U* Introduction to Anthropology, Psychology and Sociology, University (*Hub eLearning course)
Grade 12	vHSB4U* Challenge and Change in Society, University (*Hub eLearning course)
Technological Education	
Grade 9	TIJ1O Exploring Technologies - Construction, Open
Grade 10	TCJ2O Construction Technology, Open
	TGJ2O Communications Technology, Open
Grade 11	TCJ3C1 Construction Technology (single credit), College
	TCJ3C2 Construction Technology (double credit), College
	TCJ3E Construction Technology (single credit), Workplace
	TGP3M Communications Technology: Photography and Digital Imaging, University/College
Grade 12	TCJ4C1 Construction Technology (single credit), College
	TCJ4C2 Construction Technology (double credit), College
	TCJ4E Construction Technology (single credit), Workplace
	TGP4M Communications Technology: Photography and Digital Imaging, University/College

ALL Grade 9 Courses

AMU1O1 Music

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.

CREDIT: 1 **TYPE:** Open **GRADE:** 9

AVI1O1 Visual Arts

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.

COURSE NOTE: Some art supplies will be available in class. A list of additional recommended supplies will be provided for purchase by the student.

CREDIT: 1 **TYPE:** Open **GRADE:** 9

BTT1O1 Introduction to Information Technology

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

CREDIT: 1 **TYPE:** Open **GRADE:** 9

CGC1D1 Geography of Canada, Academic

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

CREDIT: 1 **TYPE:** Academic **GRADE:** 9

ENL1W1 English, De-streamed

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.

CREDIT: 1 **TYPE:** De-streamed **GRADE:** 9

ENG1L1 English, Locally Developed

This course prepares students for Grade 10 Locally Developed English (ENG2L). It provides foundational literacy and communication skills to students for success in their daily lives and in the workplace. The course is organized by strands that develop listening and talking skills, reading and viewing skills, and writing skills. In all strands, the focus is on developing foundational literacy skills and in using language clearly and accurately in a variety of authentic contexts. Students reflect regularly upon their growth in these areas.

CREDIT: 1**TYPE: Locally Developed****GRADE: 9****FSF1D1 Core French, Academic**

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.

CREDIT: 1**TYPE: Academic****GRADE: 9****MAT1L1 Mathematics, Locally Developed**

This course provides students who have experienced significant difficulties in previous Mathematics courses an opportunity to obtain sufficient background and skill development to prepare them for the Grade 10 Locally Developed course or for entry to MFM1P1. Whenever possible, ideas will be presented in a real-life context, providing students with the opportunity to explore, organize interpret, and use mathematical models to solve problems. Technology and manipulative materials will be used wherever appropriate. Assessment and evaluation will be done using a wide variety of strategies. This will count as one of the three compulsory mathematics credits.

CREDIT: 1**TYPE: Locally Developed****GRADE: 9****MTH1W1 Mathematics, De-streamed**

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.

CREDIT: 1**TYPE: De-streamed****GRADE: 9****PPL1O1 Healthy Active Living Education**

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.

COURSE NOTE: Requirement of light grey t-shirt, shorts/track pants, and running shoes.

CREDIT: 1**TYPE: Open****GRADE: 9**

SNC1L1 Science, Locally Developed

This course prepares students for Grade 10 Locally developed Science (SNC2L) and/or Grade 11 Environmental Science (SVN3E). This course reinforces and strengthens science-related knowledge and skills, including scientific inquiry, critical thinking and the relationship between science, society and the environment. Students explore a range of topics including Science in Daily Life, Properties of Common Materials, Staying Alive: Life Sustaining Processes, and Electrical Circuits.

CREDIT: 1**TYPE: Locally Developed****GRADE: 9****SNC1W1 Science, De-streamed**

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.

CREDIT: 1**TYPE: De-streamed****GRADE: 9****TIJ1O1 Exploring Technologies – Construction, Open**

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

NOTE: This course is alternated every other year with TCJ2O. These two courses can be taken in either order and are open to both grade 9 and 10 students.

COURSE NOTE: As of 2016, CSA safety footwear is mandatory in all Grade 9/10/11/12 construction classes.

Safety glasses will be available in the class. Personal pairs of safety glasses may be purchased from the Technology Department or from a safety supply store. Optional fees may be applied for upgrades to materials.

CREDIT: 1**TYPE: Open****GRADE: 9**

All Grade 10 Courses

AMS2O1 Music - Strings

This course emphasizes performance of music at an intermediate level that strikes a balance between challenge and skill. Student learning will include participating in creative activities and listening perceptively. Students will also be required to develop a thorough understanding of the language of music, including the elements, terminology, and history. Instruction provided on the violin, viola, cello and string bass.

CREDIT: 1 **TYPE:** Open **GRADE:** 10 **PREREQUISITE:** None

AMU2O1 Music

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.

CREDIT: 1 **TYPE:** Open **GRADE:** 10 **PREREQUISITE:** None

AVI2O1 Visual Arts

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

COURSE NOTE: Some art supplies will be available in class. A list of additional recommended supplies will be provided for purchase by the student.

CREDIT: 1 **TYPE:** Open **GRADE:** 10 **PREREQUISITE:** None

CHC2D1 Canadian History in the Twentieth Century, 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.

CREDIT: 1 **TYPE:** Academic **GRADE:** 10 **PREREQUISITE:** None

CHC2L1 Canadian History, 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 prepare for the Grades 11 and 12 Workplace Preparation history courses through the development and extension of historical literacy and inquiry skills. Students explore a variety of topics highlighting individuals and events that have contributed to the story of Canada. The major themes of Canadian identity, internal and external relationships, and changes since 1914, are explored through guided investigation. Students have the opportunity to extend analytical skills with a focus on identifying and interpreting events and perspectives and making connections. Students practice reading, writing, visual, and oral literacy skills, and mathematical literacy skills to identify and communicate ideas in a variety of forms.

CREDIT: 1 **TYPE:** Locally Developed **GRADE:** 10 **PREREQUISITE:** None

CHC2P1 Canadian History in the Twentieth Century, Applied

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

CREDIT: 1 **TYPE:** Applied **GRADE:** 10 **PREREQUISITE:** None

CHV2O5 Civics, Open

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

COURSE NOTE: This is a half-credit course that is taken along with GLC2O5, Career Studies.

CREDIT: 0.5 **TYPE:** Open **GRADE:** 10 **PREREQUISITE:** None

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.

CREDIT: 1 **TYPE:** Academic **GRADE:** 10 **PREREQUISITE:** ENG1D1 or ENG1P1

ENG2L1 English, Locally Developed

In this course, students focus on extending their literacy and communication skills to prepare for success in their daily lives, in the workplace, in the English Grade 11 Workplace Preparation course (ENG3E), or in the English Contemporary Aboriginal Voices, Grade 11 Workplace Preparation course (NBE3E). The course is organized by strands that extend listening and talking skills, reading and viewing skills, and writing skills. In all strands, the focus is on refining foundational literacy skills and in using language clearly and accurately in a variety of authentic contexts. Students reflect regularly on their growth in these areas.

CREDIT: 1 **TYPE:** Locally Developed **GRADE:** 10 **PREREQUISITE:** ENG1L1

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.

CREDIT: 1 **TYPE:** Applied **GRADE:** 10 **PREREQUISITE:** ENG1P1 or ENG1D1

FSF2D1 Core French

This course enables students to increase their knowledge of the French language, further develop their language skills, and deepen their understanding and appreciation of francophone culture around the world. Exploring a variety of themes, students will develop and apply critical thinking skills in discussion, in their analysis and interpretation of texts, and in their own writing.

CREDIT: 1 **TYPE:** Academic **GRADE:** 10 **PREREQUISITE:** FSF1D1 or FSF1P1

GLC2O5 Career Studies

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.

COURSE NOTE: This is a half-credit course that is taken along with CHV2O5, Civics.

CREDIT: 0.5 **TYPE:** Open **GRADE:** 10 **PREREQUISITE:** None

HFN2O1 Food and Nutrition, Open

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

CREDIT: 1 **TYPE:** Open **GRADE:** 10 **PREREQUISITE:** None

MAT2L1 Mathematics, Locally Developed

This Grade 10 course is designed to allow students to solidify and extend their understanding of, and confidence in using, the concepts developed in MAT1L so that they are well prepared for success in the Mathematics Grade 11 Workplace Preparation course (MEL3E) or the Mathematics Grade 12 Workplace Preparation Course (MEL4E). In the Grade 10 course, students are asked to demonstrate a greater depth of understanding and level of complexity, in contexts that move them from their immediate personal environment to the larger community.

CREDIT: 1 **TYPE:** Locally Developed **GRADE:** 10 **PREREQUISITE:** None

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 relations and their applications; solve and apply linear systems; verify properties of geometric figures using analytic geometry; and investigate the trigonometry of right and acute triangles. Students will reason mathematically and communicate their thinking as they solve multi-step problems.

CREDIT: 1 **TYPE:** Academic **GRADE:** 10 **PREREQUISITE:** MTH1W1

MFM2P1 Foundations of Mathematics, Applied

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

CREDIT: 1 **TYPE:** Applied**GRADE:** 10**PREREQUISITE:** MFM1P1 or MTH1W1**PPL2O1 Healthy Active Living Education - Co-Ed**

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.

COURSE NOTE: Requirement of light grey t-shirt, shorts/track pants, and running shoes.**CREDIT:** 1 **TYPE:** Open**GRADE:** 10**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.

CREDIT: 1 **TYPE:** Academic**GRADE:** 10**PREREQUISITE:** SNC1W1**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.

CREDIT: 1 **TYPE:** Applied**GRADE:** 10**PREREQUISITE:** SNC1P1 or SNC1W1**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 of measurement, as appropriate. Students will develop an awareness of environmental and societal issues related to construction technology, and will explore secondary and postsecondary pathways leading to careers in the industry.

CREDIT: 1 **TYPE:** Open**GRADE:** 10**PREREQUISITE:** None

TGJ201 Communications Technology, 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 interactive new media 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 will explore secondary and postsecondary education and training pathways and career opportunities in the various communications technology fields. This course is available to grade 9 students.

CREDIT: 1 **TYPE:** Open **GRADE:** 10 **PREREQUISITE:** None

All Grade 11 Courses

AMS3M1 Instrumental - Strings

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.

CREDIT: 1 **TYPE:** University / College **GRADE:** 11 **PREREQUISITE:** AMS2O1 or AMU2O1

AMU3M1 Music

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.

CREDIT: 1 **TYPE:** University / College **GRADE:** 11 **PREREQUISITE:** AMU2O1 or AMS2O1

AVI3M1 Visual Arts

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).

COURSE NOTE: Some art supplies may need to be purchased by the student.

CREDIT: 1 **TYPE:** University / College **GRADE:** 11 **PREREQUISITE:** AVI1O1 or AVI2O1

AWA3O1 Visual Arts - Crafts

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

COURSE NOTE: Some art supplies may need to be purchased by the student.

CREDIT: 1 **TYPE:** Open **GRADE:** 11 **PREREQUISITE:** None

vBDI3C* Entrepreneurship: The Venture (*Hub eLearning at Clarke)

This course focuses on ways in which entrepreneurs recognize opportunities, generate ideas, and organize resources to plan successful ventures that enable them to achieve their goals. Students will create a venture plan for a school-based or student-run business. Through hands-on experiences, students will have opportunities to develop the values, traits, and skills most often associated with successful entrepreneurs.

CREDIT: 1 **TYPE:** College **GRADE:** 11 **PREREQUISITE:** None

vBMI3C* Marketing: Goods, Services, Events (*Hub eLearning at Clarke)

This course introduces the fundamental concepts of product marketing, which includes the marketing of goods, services, and events. Students will examine how trends, issues, global economic changes, and information technology influence consumer buying habits. Students will engage in marketing research, develop marketing strategies, and produce a marketing plan for a product of their choice.

CREDIT: 1 **TYPE:** College **GRADE:** 11 **PREREQUISITE:** None

vCGG30* Travel and Tourism (*Hub eLearning)

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.

CREDIT: 1 **TYPE:** Open **GRADE:** 11 **PREREQUISITE:** CGC1D1

CLU3E1 Understanding Canadian Law in Everyday Life

This course gives students practical information about legal issues that directly affect their lives. Students will examine the need for laws in society, the roots of Canada's legal system, the rights and freedoms that people in Canada enjoy, and the basic elements of criminal law and dispute resolution. Through experiences such as mock trials, debates, and case studies, students will apply inquiry and communication skills to develop and express opinions on legal topics of interest to them.

CREDIT: 1 **TYPE:** Workplace **GRADE:** 11 **PREREQUISITE:** CHC2D1 or CHC2P1 or CHC2L1

CLU3M1 Understanding Canadian Law

This course explores Canadian law with a focus on legal issues that are relevant to people's everyday lives. Students will investigate fundamental legal concepts and processes to gain a practical understanding of Canada's legal system, including the criminal justice system. Students will use critical-thinking, inquiry, and communication skills to develop informed opinions on legal issues and apply this knowledge in a variety of ways and settings, including case analysis, legal research projects, mock trials, and debates.

COURSE NOTE: Strong reading and writing skills are necessary for this course.

CREDIT: 1 **TYPE:** University/College **GRADE:** 11 **PREREQUISITE:** CHC2D1 or CHC2P1

CO-OP: See separate section at the end of the course calendar for information on Co-operative Education (Co-op) programs available to Grade 11 and Grade 12 students.

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

CREDIT: 2 or 4 **TYPE:** Open **GRADE:** 11 and/or 12 **PREREQUISITE:** None

COP4X4: Co-op 4 Credit/Full day

COP4XD: Co-op 2 Credit/Half day

COP4XP: Co-op 1 Credit/Single period Peer Helping

FSF3U1 Core French, University

This course offers students extended opportunities to speak and interact in real-life situations in French with greater independence. Students will develop their listening, speaking, reading, and writing skills, as well as their creative and critical thinking skills, through responding to and exploring a variety of oral and written texts. They will also broaden their understanding and appreciation of diverse French-speaking communities, and will develop skills necessary for lifelong language learning.

CREDIT: 1 **TYPE:** University **GRADE:** 11 **PREREQUISITE:** FSF2D1

HFC3E1 Food and Culture, Workplace

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

CREDIT: 1 **TYPE:** Workplace **GRADE:** 11 **PREREQUISITE:** None

HFC3M1 Food and Culture, University/College

This course focuses on the flavours, aromas, cooking techniques, foods, and cultural traditions of world cuisines. Students will explore the origins of and developments in diverse food traditions. They will demonstrate the ability to cook with ingredients and equipment from a variety of cultures, compare food-related etiquette in many countries and cultures, and explain how Canadian food choices and traditions have been influenced by other cultures. Students will develop practical skills and apply social science research methods while investigating foods and food practices from around the world.

CREDIT: 1 **TYPE:** University / College Preparation **GRADE:** 11 **PREREQUISITE:** None

vHPC3O1* Raising Healthy Children (*Hub eLearning)

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, communicate with them, and effectively guide their early behaviour. Students will develop their research skills through investigations related to caregiving and child rearing.

CREDIT: 1 **TYPE:** Open **GRADE:** 11 **PREREQUISITE:** None

vHSP3C1* Introduction to Anthropology, Psychology & Sociology (*Hub eLearning)

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. Students 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.

CREDIT: 1 **TYPE:** College **GRADE:** 11 **PREREQUISITE:** None

vHSP3U1* Introduction to Anthropology, Psychology & Sociology (*Hub eLearning)

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

CREDIT: 1 **TYPE:** University **GRADE:** 11 **PREREQUISITE:** ENG2D1 or CHC2D1

MBF3C1 Foundations for College Mathematics

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

CREDIT: 1 **TYPE:** College **GRADE:** 11 **PREREQUISITE:** MFM2P1 or MPM2D1

MCF3M1 Functions and Applications, University/College

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.

COURSE NOTE: This course can be used as a pre-requisite for MDM4U1, MCT4C1 or MAP4C1.

CREDIT: 1 **TYPE:** University/College **GRADE:** 11 **PREREQUISITE:** MPM2D1 or MFM2P1

MCR3U1 Functions, University

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; investigate inverse functions; and develop facility in determining equivalent algebraic expressions. Students will reason mathematically and communicate their thinking as they solve multi-step problems.

CREDIT: 1 **TYPE:** University **GRADE:** 11 **PREREQUISITE:** MPM2D1

MEL3E1 Mathematics for Work and Everyday Life, Workplace

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.

COURSE NOTE: This course is alternated every-other year with MEL4E. These two math courses can be taken in either order.

CREDIT: 1 **TYPE:** Workplace **GRADE:** 11 **PREREQUISITE:** Grade 10 OR 11 Math, any level

NBE3C1 English, Understanding Contemporary First Nations, Métis and Inuit Voices, College

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.

CREDIT: 1 **TYPE:** College **GRADE:** 11 **PREREQUISITE:** ENG2P1 or ENG2D1

NBE3E1 English, Understanding Contemporary First Nations, Métis and Inuit Voices, Workplace

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.

CREDIT: 1 **TYPE:** Workplace **GRADE:** 11 **PREREQUISITE:** ENG2D1 or ENG2P1 or ENG2L1

NBE3U1 English, Understanding Contemporary First Nations, Métis and Inuit Voices, University

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

CREDIT: 1 **TYPE:** University **GRADE:** 11 **PREREQUISITE:** ENG2D1

NBV3C1 World Views and Aspirations of First Nations, Métis and Inuit Communities in Canada, College

This course focuses on the diverse beliefs, values, and aspirations between First Nations, Métis, and Inuit peoples of Canada and the political, economic, cultural and social challenges facing Aboriginal individuals and communities from various regions and cultures. By examining their own beliefs, values and assumptions, the worldviews of others and factors that influence world vi worldviews of others and factors that influence world views, students will appreciate how traditional and contemporary beliefs and values influence present and future aspirations of Aboriginal peoples.

CREDIT: 1 **TYPE:** College **GRADE:** 11 **PREREQUISITE:** CHC2P1 or CHC2D1 or NAC2O1

NBV3E1 World Views and Aspirations of First Nations, Métis and Inuit Communities in Canada, Workplace

This course focuses on the diverse beliefs, values, and aspirations between First Nations, Métis, and Inuit peoples of Canada. Students will examine issues of identity facing Aboriginal individuals and communities in connection to changing relationships with the land, nature, one another and Canada. By examining their own worldview and investigating factors that influence perspectives over time, students will develop their understanding of how traditional and contemporary beliefs and values influence present and future aspirations of Aboriginal peoples.

CREDIT: 1 **TYPE:** Workplace **GRADE:** 11 **PREREQUISITE:** CHC2P1 or CHC2D1 or CHC2L1 or NAC2O1

PAF3O1 Personal and Fitness Activities

This course focuses on the development of a healthy lifestyle and participation in a variety of enjoyable physical activities that have the potential to engage students' interest throughout their lives. Students will be encouraged to develop personal competence in a variety of movement skills, and will be given opportunities to practice goal-setting, decision-making, coping, social, and interpersonal skills. Students will also study the components of healthy relationships, reproductive health, and personal safety. Improved physical fitness through aerobic and weight training is the main objective of this course.

CREDIT: 1 **TYPE:** Open **GRADE:** 11 **PREREQUISITE:** None

PPL3O1 Healthy Active Living Education

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.

COURSE NOTE: Requirement of light grey t-shirt, shorts/track pants, and running shoes.

Clarke Phys Ed t-shirt available for purchase.

CREDIT: 1 **TYPE:** Open **GRADE:** 11 **PREREQUISITE:** None

SBI3U1 Biology, University

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.

CREDIT: 1 **TYPE:** University **GRADE:** 11 **PREREQUISITE:** SNC2D1

SCH3U1 Chemistry, University

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.

CREDIT: 1 **TYPE:** University **GRADE:** 11 **PREREQUISITE:** SNC2D1

SPH3U1 Physics, University

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

CREDIT: 1 **TYPE:** University **GRADE:** 11 **PREREQUISITE:** SNC2D1

SVN3E1 Environmental Science, Workplace

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

CREDIT: 1 **TYPE:** Workplace **GRADE:** 11 **PREREQUISITE:** SNC1L1 or SNC1W1
SNC2L1 or SNC2D1/SNC2P1

TCJ3C1 Construction Technology (College, Single Credit)

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

COURSE NOTE: As of September 2016, CSA safety footwear is mandatory in all Grade 9/10/11/12 construction classes. Safety glasses will be available in the class. Personal pairs of safety glasses may be purchased from the Technology Department or from a safety supply store. Optional fees may be applied for upgrades to materials. Recommended Background: TCJ2O1. This course is a *single period*.

CREDIT: 1 **TYPE:** College **GRADE:** 11 **PREREQUISITE:** None

TCJ3C2 Construction Technology (College, Two Credit / Dual Credit)

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

COURSE NOTE: As of September 2016, CSA safety footwear is mandatory in all Grade 9/10/11/12 construction classes. Safety glasses will be available in the class. Personal pairs of safety glasses may be purchased from the Technology Department or from a safety supply store. Optional fees may be applied for upgrades to materials. Recommended Background: TCJ2O1. This course is a *double period*.

CREDIT: 2 **TYPE:** College **GRADE:** 11 **PREREQUISITE:** None

TCJ3E1 Construction Technology (Workplace, Single Credit)

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

COURSE NOTE: As of September 2016, CSA safety footwear is mandatory in all Grade 9/10/11/12 construction classes. Safety glasses will be available in the class. Personal pairs of safety glasses may be purchased from the Technology Department or from a safety supply store. Optional fees may be applied for upgrades to materials.

CREDIT: 1 **TYPE:** Workplace **GRADE:** 11 **PREREQUISITE:** None

TGP3M1 Communications Technology: Photography and Digital Imaging (University/College, Single Credit)

This course enables students to develop their knowledge and skills in Communications Technology with a focus on photography and photo editing techniques. Students will be introduced to the history of photography as well as the influence on society. They will learn about the digital and traditional camera's hardware and how technology affects the photographs. The technical and creative aspects of exposure and composition will be explored by allowing students to create exemplary samples of their photographic artistry. Students will use the critical analysis process when evaluating their own work and the work of others.

CREDIT: 1 **TYPE:** University/College **GRADE:** 11 **PREREQUISITE:** None

All Grade 12 Courses

AMS4M1 Music - Strings

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.

CREDIT: 1 **TYPE:** University / College **GRADE:** 12 **PREREQUISITE:** AMS3M1 or AMU3M1

AMU4M1 Music

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.

CREDIT: 1 **TYPE:** University / College **GRADE:** 12 **PREREQUISITE:** AMU3M1 or AMS3M1

AVI4M1 Visual Arts

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. **COURSE NOTE:** Some art supplies will be available in class. A list of additional recommended supplies will be provided for purchase by the student.

CREDIT: 1 **TYPE:** University / College **GRADE:** 12 **PREREQUISITE:** AVI3M1

vBBB4M* Introduction to International Business (*Hub eLearning at Clarke)

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

CREDIT: 1 **TYPE:** University / College **GRADE:** 12 **PREREQUISITE:** None

vBOH4M* Business Leadership: Management Fundamentals (*Hub eLearning at Clarke)

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.

CREDIT: 1 **TYPE:** University / College **GRADE:** 12 **PREREQUISITE:** None

vCGW4U1* World Issues: A Geographic Analysis (*Hub eLearning)

In this course, students will address the challenge of creating a more sustainable and equitable world. They will explore issues involving a wide range of topics, including economic disparities, threats to the environment, globalization, human rights, and quality of life, and will analyse government policies, international agreements, and individual responsibilities relating to them. Students will apply the concepts of geographic thinking and the geographic inquiry process, including the use of spatial technologies, to investigate these complex issues and their impacts on natural and human communities around the world.

CREDIT: 1**TYPE:** University**GRADE:** 12

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

vCHY4C1* World History since the Fifteenth Century (*Hub eLearning)

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.

CREDIT: 1**TYPE:** College**GRADE:** 12

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

vCHY4U1* World History since the Fifteenth Century (*Hub eLearning)

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.

CREDIT: 1**TYPE:** University**GRADE:** 12

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

CO-OP: See separate section at the end of the course calendar for information on Co-operative Education (Co-op) programs available to Grade 11 and Grade 12 students.

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.

CREDIT: 2 or 4**TYPE:** Open**GRADE:** 11 and/or 12**PREREQUISITE:** None

COP4XY: Co-op 4 Credit/Full day Ontario Youth Apprenticeship Program (OYAP)

COP4X4: Co-op 4 Credit/Full day

COP4XD: Co-op 2 Credit/Half day

COP4XP: Co-op 1 Credit/Single period Peer Helping

ENG4C1 English, College

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.

CREDIT: 1 **TYPE:** College **GRADE:** 12 **PREREQUISITE:** ENG3C1 or ENG3U1 or NBE3C1 or NBE3U1

ENG4E1 English, Workplace

This course emphasizes the consolidation of literacy, communication, and critical and creative thinking skills necessary for success in the workplace and in daily life. Students will 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 is intended to prepare students for the workplace and active citizenship.

CREDIT: 1 **TYPE:** Workplace **GRADE:** 12 **PREREQUISITE:** ENG3E1 or NBE3E1

ENG4U1 English, University

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.

CREDIT: 1 **TYPE:** University **GRADE:** 12 **PREREQUISITE:** ENG3U1 or NBE3U1

vEWC4C1* The Writer's Craft, College (*Hub eLearning)

This course emphasizes knowledge and skills related to the craft of writing. Students will investigate models of effective writing; use a workshop approach to write a variety of works; and make considered decisions for improving the quality of their writing. They will also complete a creative or analytical independent study project and investigate opportunities for publication and for writing careers.

CREDIT: 1 **TYPE:** College **GRADE:** 12

PREREQUISITE: ENG3C1 or ENG3U1 or NBE3C1 or NBE3U1

vEWC4U1* The Writer's Craft, University (*Hub eLearning)

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

CREDIT: 1 **TYPE:** University **GRADE:** 12 **PREREQUISITE:** ENG3U1 or NBE3U1

FSF4U1 Core French, University

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

CREDIT: 1 **TYPE:** University **GRADE:** 12 **PREREQUISITE:** FSF3U1

vHSB4U1* Challenge and Change in Society (*Hub e-Learning only)

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

CREDIT: 1 **TYPE:** University **GRADE:** 12
PREREQUISITE: Any university or university / college preparation course in Social Sciences and Humanities, English, or Canadian and World Studies.

MAP4C1 Foundations for College Mathematics

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

CREDIT: 1 **TYPE:** College **GRADE:** 12 **PREREQUISITE:** MBF3C1 or MCR3U1 or MCF3M1

MCV4U1 Calculus and Vectors, University

This course builds on students' previous experience with functions and their developing understanding of rates of change. Students will solve problems involving geometric and algebraic representations of vectors and representations of lines and planes in three-dimensional space; broaden their understanding of rates of change to include the derivatives of polynomial, sinusoidal, exponential, rational, and radical functions; and apply these concepts and skills to the modelling of real-world relationships. Students will also refine their use of the mathematical processes necessary for success in senior mathematics. This course is intended for students who choose to pursue careers in fields such as science, engineering, economics, and some areas of business, including those students who will be required to take a university-level calculus, linear algebra, or physics course.

CREDIT: 1 **TYPE:** University **GRADE:** 12
COREQUISITES: If you take this course, *you must also* take MHF4U1 - Advanced Functions, University

vMDM4U1* Data Management, University (*Hub eLearning only)

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

CREDIT: 1 **TYPE:** University **GRADE:** 12 **PREREQUISITE:** MCR3U1 or MCF3M1

MHF4U1 Advanced Functions, University

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.

CREDIT: 1 **TYPE:** University **GRADE:** 12 **PREREQUISITE:** MCR3U1 or MCT4C1

NDW4M Contemporary Indigenous Issues and Perspectives in a Global Context

This course examines global issues from the perspectives of Indigenous peoples. Students will explore the depth and diversity of Indigenous cultures, traditions, and knowledge. Students will consider how diverse Indigenous communities persevere despite current global environmental and economic trends, and will investigate topics such as identity, social justice, human rights and abuses, spirituality, resilience, and advocacy for change.

CREDIT: 1 **TYPE:** University / College **GRADE:** 12

PREREQUISITE: Any Grade 11 University, University/College, or College Preparation course in First Nations, Métis, and Inuit studies, Canadian and world studies, or social sciences and humanities

vOLC4O Ontario Secondary School Literacy Course (eLearning only)

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

COURSE NOTE: A student who has been eligible to write the Ontario Secondary School Literacy Test (OSSLT) at least twice and who has been unsuccessful at least once is eligible to enroll in the Ontario Secondary School Literacy Course (OSSLC). A student may be permitted to take the OSSLC before he or she has had a second opportunity to take the OSSLT, if the principal determines that it is in the best educational interests of the student to do so. Under special circumstances, and at the discretion of the principal, a student who has already met the literacy requirement for graduation purposes may be eligible to take the course. A mature student may enroll directly in the OSSLC without first attempting the OSSLT.

CREDIT: 1 **TYPE:** Open **GRADE:** 12

PAF4O1 Personal and Fitness Activities

This course focuses on the development of a healthy lifestyle with an emphasis on physical fitness. Students will develop individual fitness plans to improve or to maintain a high level of fitness. Regular work-outs will include an emphasis on weight training and cardiovascular training. This course will also focus on designing training programs for specific sport development - preseason, season and post-season training. In addition, students will be given opportunities to refine their decision-making, conflict resolution, and interpersonal skills, with a view of enhancing their mental health and their relationships with others.

CREDIT: 1 **TYPE:** Open **GRADE:** 12 **PREREQUISITE:** None

PPL4O1 Healthy Active Living Education

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.

COURSE NOTE: Requirement of light grey t-shirt, shorts/track pants, and running shoes.

Clarke Phys Ed t-shirt available for purchase.

CREDIT: 1 **TYPE:** Open **GRADE:** 12 **PREREQUISITE:** None

SBI4U1 Biology, University

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

CREDIT: 1 **TYPE:** University **GRADE:** 12 **PREREQUISITE:** SBI3U1

SCH4U1 Chemistry, University

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

CREDIT: 1 **TYPE:** University **GRADE:** 12 **PREREQUISITE:** SCH3U1

SCH4C1 Chemistry, College

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.

CREDIT: 1 **TYPE:** College **GRADE:** 12 **PREREQUISITE:** SNC2D1 or SNC2P1

SPH4U1 Physics, University

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

CREDIT: 1 **TYPE:** University **GRADE:** 12 **PREREQUISITE:** SPH3U1

TCJ4C1 Construction Technology (College, single credit)

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

COURSE NOTE: As of September 2016, CSA safety footwear is mandatory in all construction classes. Safety glasses will be available in the class. Personal pairs of safety glasses may be purchased from the Technology Department or from a safety supply store. Optional fees may be applied for upgrades to materials.

CREDIT: 1 **TYPE:** College **GRADE:** 12 **PREREQUISITE:** TCJ3C1 or TCJ3C2

TCJ4C2 Construction Technology (College, two credit / Dual Credit)

This course enables students to further develop knowledge and skills related to residential construction and to explore light commercial construction. Students will gain hands-on experience using a variety of materials, processes, tools, and equipment, and will learn more about building design and project planning. They will continue to create and interpret construction drawings and will extend their knowledge of construction terminology and of relevant building codes and regulations, as well as health and safety standards and practices. Students will also focus on environmental and societal issues related to construction engineering technology and will explore career opportunities in the field. Students taking this course can also earn a dual credit with Fleming College: MECH255 - Introduction to Mechanical Trades.

COURSE NOTE: As of September 2016, CSA safety footwear is mandatory in all construction classes. Safety glasses will be available in the class. Personal pairs of safety glasses may be purchased from the Technology Department or from a safety supply store. Optional fees may be applied for upgrades to materials.

CREDIT: 2 **TYPE:** College **GRADE:** 12 **PREREQUISITE:** TCJ3C1 or TCJ3C2 or

TCJ4E1 Construction Technology (Workplace, single credit)

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

COURSE NOTE: As of September 2016, CSA safety footwear is mandatory in all construction classes. Safety glasses will be available in the class. Personal pairs of safety glasses may be purchased from the Technology Department or from a safety supply store. Optional fees may be applied for upgrades to materials.

CREDIT: 1 **TYPE:** Workplace **GRADE:** 12 **PREREQUISITE:** TCJ3E1

TGP4M1 Communications Technology: Photography and Digital Imaging (University/College, single credit)

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.

CREDIT: 1 **TYPE:** University / College **GRADE:** 12 **PREREQUISITE:** TGP3M1 or TGJ3M1

Co-operative Education (CO-OP) and Experiential Learning

Cooperative Education involves classroom components comprising pre-placement activities at the beginning of the course, and integration activities, which run at various times throughout the semester. The placement component occurs outside of the home school in a work environment where the students have not had previous experience. Students earn the cooperative education credit by integrating planned learning experiences at the work placement aligned with a related in-school course. Evaluation is linked to the Ministry of Education curriculum expectations of the related course. Co-op work placements provide students with challenging opportunities to apply and extend the knowledge and skills acquired in the related course. Co-op students are also expected to demonstrate achievement of placement expectations that reflect current workplace practices and standards.

NOTE: Students may do co-op more than once.

TYPE: Open **GRADE:** 11 or 12 **PREREQUISITE:** None

COP4XP CO-OP - Peer Helping

This single credit co-op is a Peer Helping placement in the home school. In keeping with Ministry of Education's Cooperative Education policy for the placement of coop students, students will be allowed to participate only once in a Peer Helping co-op placement.

CREDIT: 1 **TYPE:** Open **GRADE:** 11 or 12

COP4XD CO-OP 2-credit course (half-day)

CREDIT: 2 **TYPE:** Open **GRADE:** 11 or 12

COP4X4 CO-OP 4-credit course (full day)

CREDIT: 4 **TYPE:** Open **GRADE:** 11 or 12

COP4XY OYAP – Ontario Youth Apprenticeship Program - 4-credit course (full day) Semester 2

Available to Grade 12 students in their *final* semester of high school. Apprenticeship opportunities vary from year-to-year and are limited in number. Students must undergo a competitive application and interview process to be accepted into OYAP. Past OYAP placements have included the traditional skilled trades - Electrical Auto Mechanics, Carpentry and Welding for example - and more recently, have expanded to include Hairstyling, Cook and Early Childhood Education, among others. Please speak to the school's Co-op Department for more information on apprenticeship opportunities available each year. Note: All other graduation requirements must be complete (Community Involvement Hours, Literacy Requirement) *before* the OYAP placement begins.

CREDIT: 4 **TYPE:** Open **GRADE:** 12

Gold Collar - TCJ3C2/TCJ3CD

This program focuses on the development of knowledge and skills related to residential construction. Students will gain hands-on experience using a variety of construction materials, processes, tools, and equipment while working on an actual construction site. Students will learn about building planning & design; creating and interpreting working drawings and sections; and will learn how the Ontario Building Code and other regulations and standards apply to construction projects. Students will also develop an awareness of environmental and societal issues related to construction technology and will explore career opportunities in the field. Students completing the Gold Collar program will earn TCJ3C2 (Construction technology) and TCJ3CD (Co-op) for a total of four credits. Gold Collar is a competitive program, and students will have to undergo an application and interview process.

CREDIT: 4 **TYPE:** Open **GRADE:** 12

Specialized High Skills Major (SHSM)

SHSM is a ministry-approved specialized program that allows students to focus their learning on a specific career sector while meeting the requirements for the Ontario Secondary School Diploma (OSSD).

SHSM Sectors

Clarke High School is proud to offer programs in two sectors: **Construction and Health & Wellness.**

Benefits to Students

SHSM assists students in their transition from secondary school to Apprenticeship training, College, University, or the Workplace:

- Successful completion of an SHSM is indicated on the student's Ontario Secondary School Diploma (OSSD) by a Red Seal.
- Successful completion of an SHSM is indicated on the student's Ontario Student Transcript (OST), where it may be seen by any post-secondary institution, employer, or training organization.
- Students receive an SHSM Record that documents their achievement of the required components, including sector-related certifications earned and / or training courses completed. Students gain valuable experience and certifications, which increases confidence in their ability to succeed and see the connections between their studies, the world beyond high school and future careers.
- Students can explore, identify, and refine career goals and make informed decisions related to post-secondary education or training and next steps towards a career.

Bundled Credits

A SHSM Program must contain a bundle of 8-10 credits including:

- Four major credits in the subjects relating to their chosen SHSM that provide sector specific knowledge.
- Two to four other required credits from the Ontario curriculum, in which some expectations are met through learning activities related to the sector.
- Two credits (minimum) in Cooperative Education related to the major credits.

Sector-Recognized Certifications All SHSM students will obtain certifications in:

- WHMIS (Workplace Hazardous Materials Information System)
- Standard First Aid
- CPR Level C

In addition, students will receive at least three more sector-specific certifications, including:

- Working at Heights & Basic Health and Safety for Construction students
- Infection Control for Health and Wellness students

Reach Ahead and Experiential Learning

Provide students the opportunity to explore, observe, participate, and reflect on a variety of sector-specific experiences, careers, and post-secondary pathways. These experiences could include visits to industry businesses, training facilities, skill competitions, career fairs, colleges, universities, and dual credit programs.

How to Plan For SHSM

Grade 10

- Students choose either Construction or Health and Wellness by completing the SHSM application process.
- During course selection time, students schedule their SHSM subjects in their academic timetable. A Cooperative Education Placement is a requirement of SHSM. It is in the student's best interest to select their two credit (half day) co-op placement or (optional) four credit (full day) co-op placement. Otherwise, students are recommended to take co-op in summer school (but they must arrange this beforehand) or take co-op in Grade 12.

Grade 11

- Students begin the SHSM Program by taking their major credits and "other" credits as needed.

*Use the SHSM Planner in myBluePrint to keep organized.
- Students will have opportunities to participate in their sector-recognized certifications.

Grade 12

- Students will continue to complete SHSM course requirements, remaining certifications and participate in Reach Ahead and Experiential Learning opportunities.



Ontario Youth Apprenticeship Program (OYAP)



The Ontario Youth Apprenticeship Program allows Ontario secondary school students to fast track into a skilled trade of their choice. There are two types of OYAP programs available to students:

The first option is a unique combination of **community college trades training** and a high school **Cooperative Education Program**. Students are registered as apprentices and attend college one to three days a week to earn their Basic Level 1 of the trade qualifications. Students spend the remainder of the week at work placements earning two to three high school credits while accumulating hours toward their apprenticeship requirements. This full-day program usually takes place during the second semester.

- Positions in this program are only available to students in Grade 12 who are eligible to graduate.
- Students who return for a fifth year will only be allowed to participate with special permission.
- Student involvement hours must be completed and documented at the time of indenturing.
- Candidates demonstrating success in the recommended Math, Science, English, and Technological Studies will be interviewed by a panel from both education and industry to gain entrance into the program.
- Successful candidates will require registration in a two or three credit Cooperative Education Program and two Dual Credits during second semester. *A related Cooperative Education placement during Grade 11 is highly recommended.*
- A transportation allowance is available to subsidize the cost of attending the College Program.
- The cost of training is absorbed by the Ministry of Labour, Training and Skills Development.

Note: In some cases, OYAP Level 1 program students will receive Dual Credits along with their Coop credits. For further information about Dual Credits, speak to a Guidance Counsellor at your school.

Tentative Accelerated Programs for February 2023

Program Training Delivery Agent	Auto Service Tech	Welding	Hairstylist	Plumbing	General Carpenter	Industrial Mechanic Millwright	Cook	Electrical
Fleming College					X			
Durham College	X	X		X		X	X	X
Durham D.S.B.			X					

A second form of OYAP participation is available to any **Cooperative Education** student, with a **placement** in an Apprenticeable Trade, who is at least 15 years of age and has 14 credits. These OYAP students do not complete their trade's Basic Level 1 course. Instead, Student Learning Plans are developed for them based on training standards for their trade.

- Students can be registered as apprentices and apply any competencies achieved through their Coop placement toward their apprenticeship.
- An OYAP student in this program can participate in any of more than 144 recognized trades and earn potentially between two and four secondary credits.

For more information, contact your Guidance, Tech or Cooperative Education Teacher, or visit www.kprschoools.ca.

eLearning

The Ministry of Education requires that students complete two online learning credits to attain their Ontario Secondary School Diploma (OSSD). It is an option to opt out however, there are many benefits to taking eLearning courses. Many Universities and College Institutions currently use online platforms that students familiarize themselves within their High School eLearning course, and this results in greater post-secondary achievement. Students who also require a course that is not offered in school, or who are unable to take an in-school course due to a time-tabling conflict may take an eLearning course.

There are eLearning courses available for students in Grades 9-12. More selection is offered to students in Grades 11 and Grade 12 due to stronger independent learning habits, self-discipline, and organizational skills. Students will meet with Guidance to schedule their eLearning course. When the eLearning course begins, students are required to log in daily - Monday to Friday. They can work independently in a specified location while at school (often students work in the Learning Commons space) but students have the flexibility to complete remaining work from home. There is always additional support provided for students by the Student Success Teacher and eLearning Hub Teacher.

Clarke High School is the Hub school for some business courses and a room in the Learning Commons is designated for that purpose. There are two other Hub school locations situated in Port Hope and Norwood. KPR students are prioritized for seating however, acceptance is not guaranteed. Students are encouraged to make their selections for eLearning courses by contacting Guidance.