

# College Heights Secondary School



---

## MISSION STATEMENT

---

Through practical, technical and service related education, College Heights Secondary School students will gain: literacy; numeracy; job and social skills; a sense of self-worth; and a positive attitude toward life and learning in a changing society.

---

## VISION AND VALUES

---

- i. Literacy & Numeracy will receive extra attention and will be a school focus.
- ii. Students will gain employability skills through teachers' creation of a collegial, cooperative learning and working environment that will reinforce the importance of teamwork, academics and personal management in all classes.
- ii. A College Heights graduate will be motivated, respectful, productive and confident.
- iii. Graduates will be problem solvers, risk takers, team players, good communicators and lifelong learners.

## MESSAGE FROM ADMINISTRATION

We are proud to have served for over 50 years in the city of Guelph, providing excellent hands-on learning for students interested in pursuing college, apprenticeships or the trades.

As you work through this book and make use of My Blueprint you will see our program is organized around pathways. Each pathway will develop the necessary knowledge, skills and attitudes for post-secondary success. Further, our school offers students a unique look at their strengths in the areas of employability and specific learning skills. We always encourage students and families to make use of our guidance staff and resource teachers in selecting courses and planning appropriate pathways.

This calendar is designed to assist in the process of planning for your future courses here at College Heights. To begin, pick the pathway that most interests you. If you change your mind later, relax, as transitions between pathways can be done relatively easily. Our expert guidance and resource staff can work with you to plan and re-plan your high school adventure and answer your school and career needs.

In addition to Pathways Planning, we also offer the largest selection of Specialist High Skill Major programs in the board. We offer red seal diplomas in: Green Industries, Construction, Hospitality and Tourism, Manufacturing (welding and machine shop), Health and Wellness, Agriculture, Automotive (mechanics and auto body) and finally Arts and Culture. These specialized programs offer students additional access to certifications and experiences that will put them ahead of other high school graduates in trades programs and makes for excellent workplace preparation.

High school is an exciting time. In addition to the programs and pathways described we offer a wealth of extra-curricular programs and teams to enhance the high school experience. We can't wait to see you and work with you over the next few years. Come out and join the Huskies!



## **ARTS: DRAMA**

### **ADA10 DRAMA, Grade 9 – Open**

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

### **ADA20 DRAMA, Grade 10 - Open**

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

**Prerequisite: None**

### **ADA30 DRAMA, Grade 11 - Open**

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

**Prerequisite: None**

### **ADA4E DRAMA, Grade 12 – Workplace Preparation**

This course requires students to create and present a variety of dramatic works relevant to the workplace. Students will develop character both through hands-on experience and project-based learning to build trust and collaborative skills and develop self-confidence. Students will also explore skills related to the study of drama that can be applied in the workplace.

**Prerequisite: ADA30**

## **ARTS: VISUAL ARTS**

### **AVI10 VISUAL ARTS, Grade 9 – Open**

This course is exploratory in nature, offering an overview of visual arts as a foundation for further study. Students will become familiar with the elements and principals of design and the expression 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.

### **AVI20 VISUAL ARTS, Grade 10 - Open**

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

**Prerequisite: None**

### **AWA20 CRAFTS, Grade 10 - Open**

This course enables students to develop their skills in producing artwork with an emphasis on crafts. Students will be introduced to new ideas, materials and skills related to crafts. 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 with personal, contemporary and historical context.

**Prerequisite: None**

### **ASM30 MEDIA ARTS, Grade 11 - Open**

This course enables students to create media art works using available and emerging technologies such as computer animation, digital imaging, and video, and a variety of media. Students will explore the elements and

principles of media arts, the connections between contemporary media art works and traditional art forms, and the importance of using responsible practices when engaged in the creative process. Students will develop the skills necessary to create and interpret media art works.

**Prerequisite: None**

### **AVI30 VISUAL ARTS, Grade 11 - Open**

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

**Prerequisite: None**

### **AWA30 CRAFTS, Grade 11 – Open**

This course is an extension of skills learned in AWA20

**Prerequisite: AWA20**

### **AVI4E VISUAL ARTS, Grade 12 - Workplace Preparation**

This course focuses on a practical approach to a variety of art and design projects related to the workplace. Students will use the creative process to produce a traditional and/or digital portfolio of their work in a variety of media. Students may focus on various aspects of visual arts, including advertising, ceramics, fashion design, graphic arts, jewellery design, and/or web design.

**Prerequisite: AVI30**

## **ARTS: MUSIC**

### **AMG20 MUSIC/GUITAR, Grade 10 - Open**

This course emphasizes performance of music at the 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.

**Prerequisite: None**

### **AMG30 MUSIC/GUITAR, Grade 11 - Open**

This course emphasizes the appreciation, analysis, and performance of various kinds of music, including baroque and classical music, popular music, and Canadian and non-Western music. Students will perform technical exercises and appropriate repertoire, complete detailed creative activities, and analyze and evaluate live and recorded performances. They will continue to increase their understanding of the elements of music while developing their technical and imaginative abilities.

**Prerequisite: AMG20**

### **AMG4M MUSIC/GUITAR, Grade 12**

Students will learn how to compose more complicated arrangements, and diversify their playing techniques by learning several different genres and associated skills.

**Prerequisite: AMG30**

## **BUSINESS STUDIES**

### **BBI20 Entrepreneurship: The Enterprising Person, Grade 10 – Open**

### **BDP30 Entrepreneurship: The Enterprising Person, Grade 11 – Open**

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

**Prerequisite: None**

# CANADIAN GEOGRAPHY & HISTORY

## **CGC1D ISSUES IN CANADIAN GEOGRAPHY, Grade 9 – De-Streamed**

This course replaces the applied and academic options with one course code. The instructional strategies and assignments that are used will support a range of student skills and interests. The course is designed through Culturally Relevant and Responsive Pedagogy to develop and enhance real world content and skills.

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

## **CHC2P CANADIAN HISTORY SINCE WORLD WAR 1, Grade 10 - Applied**

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

**Prerequisite: None**

## **CHC2L HISTORY, Grade 10 - Essential**

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

**Prerequisite: None**

## **CHV2O CIVICS and CITIZENSHIP, Grade 10 (0.5 credit to go with GLC2O)**

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

**Prerequisite: None**

## **CGG3O Travel and Tourism: A Regional Geographic Perspective, Grade 11 - Open**

This course focuses on travel and tourism as the vehicle for studying selected world regions. Using a variety of geotechnologies and inquiry and communication methods, students will conduct and present case studies that develop their understanding of the unique characteristics of selected world regions; the environmental, cultural, economic, and political factors that influence travel and tourism; and the impact of the travel industry on communities and environments around the world. (Offered in alternate years)

**Prerequisite: CGC1D**

## **CHM4E Adventures in World History, Grade 12**

This course examines significant developments and events in world history from earliest times to the present. Students will explore a variety of social, cultural, economic, and political developments in different regions of

the world and during different periods. In addition to investigating how conflict, religion, work, and technology have helped shape people's lives, students will examine the contributions of some significant individuals to our global heritage. Students will apply the concepts of historical thinking and the historical inquiry process, including the interpretation and analysis of evidence, when investigating a variety of human experiences in world history. (Offered in alternate years)

**Prerequisite:** CHC2P, CHC2L, CHC2D

## **ENGLISH**

### **ENG1L ENGLISH, Grade 9 - Essential**

This course provides foundational literacy and communication skills to prepare students for success in their daily lives, in the workplace. The course is organized by strands that develop listening and talking skills, reading and viewing skills, and clearly and accurately in a variety of authentic contexts. Students develop strategies and put into practice the processes involved in talking, listening, reading, viewing, writing, and thinking, and reflect regularly upon their growth in these areas.

### **ENL1W ENGLISH, Grade 9 – 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.

### **ENG2L ENGLISH, Grade 10 - Essential**

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, or in the English: Contemporary Aboriginal Voices, Grade 11 Workplace Preparation course. The course is organized by strands that extend listening and talking skills, reading and viewing skills, and writing skills. In all strands, the focus is on refining foundational literacy skills and in using language clearly and accurately in a variety of authentic contexts. Students build on their strategies and engage in the processes involved in talking, listening, reading, viewing, writing, and thinking, and reflect regularly upon their growth in these areas.

**Prerequisite:** ENG1L or ENL1W

### **ENG2P ENGLISH, Grade 10 - Applied**

This course extends the range of key reading, writing, oral communication, and thinking skills that students need for success in all areas of the curriculum. Students will study novels, poems, magazines, and reports, and will describe, design, and produce effective media works. An important focus will be the clear and coherent use of spoken and written language.

**Prerequisite:** ENL1W

### **ENG2D ENGLISH, Grade 10 – Academic**

This course extends the range of analytic, reading, writing, oral communication, and thinking skills that students need for success in secondary school academic programs. Students will study and interpret challenging texts from contemporary and historical periods, including novels, poems, plays and opinion pieces, and will analyze and create effective media works. An important focus will be the thoughtful use of spoken and written language.

Note: This course fulfils one of the compulsory English requirements.

**Prerequisite:** ENL1W

### **ENG3E ENGLISH, Grade 11 - Workplace Preparation**

This course emphasizes the development of literacy, critical thinking, and communication skills. Students will study the content, form, and style of informational texts and literary works; write explanations, letters, and reports; and investigate the connections among media forms, audiences, and media industry practices. An important focus will be on using language clearly, accurately, and effectively in a variety of contexts.

**Prerequisite:** ENG2L, ENG2P or ENG2D

### **NBE3C English: Contemporary Aboriginal Voices, Grade 11**

This course emphasizes the development of literacy, critical thinking, and communication skills through the study of works in English by Aboriginal writers. Students will study the content, form, and style of informational texts and literary and media works, and will develop an appreciation of the wealth and complexity of Aboriginal writing. Students will also write reports, correspondence, and persuasive essays, and analyse the relationship between media forms and audiences. An important focus will be on establishing appropriate voice and using business and technical language with precision and clarity. This course counts as the grade 11 college English.

**Prerequisite:** ENG2P or ENG2D

#### **ENG4E ENGLISH, Grade 12 - Workplace Preparation**

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

**Prerequisite:** ENG3E

#### **ENG4C ENGLISH, Grade 12 - College Preparation**

This course emphasizes consolidation of literacy, critical thinking, and communication skills. Students will analyze a range of challenging texts from various time periods, countries, and cultures; write analytical and argumentative essays and a major paper for an independent literary research project; and apply key concepts to analyze media works. An important focus will be on establishing appropriate style and using business and technical language effectively.

**Prerequisite:** ENG3C or NBE3C

#### **OLC40 ONTARIO SECONDARY SCHOOL LITERACY COURSE - Open**

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

**Prerequisite:** Students, who have been eligible to write the Ontario Secondary School Literacy Test (OSSLT) at least twice and have been unsuccessful at least once, are eligible to take this course to achieve both a Grade 12 credit and their literacy credential for graduation.

## **GUIDANCE & CAREER EDUCATION**

#### **GLS10 LEARNING STRATEGIES 1, Grade 9**

**Skills for Success in Secondary School / Technology Focus**

#### **GLE10 Grade 9, Open**

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

**Prerequisite:** For GLS10 – Recommendation of Principal  
For GLE10 – Recommendation of Principal

#### **GLC20 CAREER STUDIES, Grade 10 - Open (0.5 credit to go with CHV20)**

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

**Prerequisite:** None

## **FTECO2      NAVIGATING THE WORKPLACE - Open**

### **(2 Credits Co-op)**

This integrated two-credit course prepares students to make successful transitions to post-secondary work and education or training. Students will explore the realities and opportunities of the modern workplace, while refining their skills and learning how to manage their careers. Students will target appropriate post-secondary education or training options and begin to implement an action plan for post-secondary success, including development of an employability skills portfolio. Students will be required to spend the first three weeks of class in school on course curriculum related to job issues such as managing change, business trends, impact of technology, future outlooks for jobs, etc.

**Prerequisite:** None (Students are encouraged to speak to a Guidance Counsellor.)

## **FTECO4**

### **(4 credit Co-op)**

This integrated four-credit course package prepares students for successful transitions to post-secondary work and education or training. Students will have opportunities to develop the workplace essential skills and work habits required for success in all types of workplaces. Students will explore occupations and careers of interest through participation in real workplace experiences (e.g. information interviews, co-op work experiences). They will make plans for continued learning and work, work with others to design learning experiences, and investigate the resources and support required to make a smooth transition to their post-secondary destination. Students will be required to spend the first five weeks in class, working on course curriculum related to job readiness and will return to class for one half day a week after that for lessons focusing on job related issues and further development of essential skills. Please see the School to Career Program section for further information on Co-Op.

**Prerequisite:** None (Students are encouraged to speak to a Guidance Counsellor.)

## **GPP30      LEADERSHIP AND PEER SUPPORT - Open**

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

**Prerequisite:** GLC20

## **PHYSICAL EDUCATION**

### **HEALTHY ACTIVE LIVING – Open**

#### **PPL10 (All Gender)**

#### **HEALTHY ACTIVE LIVING EDUCATION, Grade 9 - Open**

#### **PPL10Y (Male Identifying)**

#### **HEALTHY ACTIVE LIVING EDUCATION - Grade 9 - Open**

#### **PPL10X (Female Identifying)**

#### **HEALTHY ACTIVE LIVING EDUCATION - Grade 9 - Open**

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

## **PAI20**

### **HEALTHY LIVING AND INDIVIDUAL AND SMALL-GROUP ACTIVITIES Grade 10 - Open**

This course emphasizes regular participation in a variety of enjoyable physical activities that promote lifelong healthy active living. Student learning will include the application of movement principles; encourage participation in a variety of activities including individual and recreational activities that enhance personal competence, fitness, and health. Students will examine issues related to healthy sexuality, healthy eating,



substance use and abuse, personal safety and injury prevention and the use of informed decision-making, conflict resolution, and social skills in making personal choices.

**Prerequisite: None**

### **PAF30 CO-ED PERSONAL AND FITNESS ACTIVITIES, Grade 11 - Open**

This course focuses on helping young people learn and develop healthy active lifestyles. Instruction will focus on fitness and weight training. There will be an emphasis on creating fitness programs that explore various training methods and equipment (i.e. circuits, boot camp, tabata, HITT, yoga, Zumba, etc.) Students will examine the factors that affect their own health and the health of individuals as members of the community. They will learn about the importance of healthy eating, living an active lifestyle, and developing a positive self-image. Throughout this course, students will develop the skills necessary to take charge of and improve their own health, as well as to encourage others to lead healthy lives. Students spend time in the classroom and engaging in physical activity as they develop their own healthy active living plans and focus on personal training and personal fitness.

**Prerequisite: None**

### **PPL30 HEALTHY ACTIVE LIVING EDUCATION, Grade 11 - Open**

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

**Prerequisite: None**

### **PPZ3C HEALTH FOR LIFE, Grade 11 - Open**

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

**Prerequisite: None**

### **PAF40 PERSONAL AND FITNESS ACTIVITIES, Grade 12 - College Preparation**

This course focuses on helping young people learn and develop healthy active lifestyles. Instruction will focus on fitness and weight training. There will be an emphasis on creating and implementing fitness programs that explore various training methods and equipment (i.e. circuits, boot camp, tabata, HITT, yoga, Zumba). Students will examine the factors that affect their own health and the health of individuals as members of the community. They will learn about the importance of healthy eating, living an active lifestyle, and developing a positive self-image. Throughout this course, students will develop the skills necessary to take charge of and improve their own health, as well as to encourage others to lead healthy lives. Students spend time in the classroom and engaging in physical activity as they develop their own and assist others in healthy active living plans and focus on personal training and personal fitness. Students in this course focus on leadership and mentoring others to be healthy active individuals. They will plan, organize and safely assist in making informed decisions that will enhance theirs and others well-being.

**Prerequisite: PAF30**

### **PPL40 HEALTHY ACTIVE LIVING EDUCATION, Grade 12 - Open**

This course enables students to further develop the knowledge and skills they need to make healthy choices. It places special emphasis on how students can maintain the habits of healthy, active living throughout their lives as they make the transition to adulthood and independent living. Through participation in a wide range of physical activities in a variety of settings, students can enhance their movement competence, personal fitness, and confidence. Students also acquire an understanding of the factors and skills that contribute to healthy

development and learn how their own well-being is affected by, and affects, the world around them. Students build their sense of self, learn to interact positively with others, and develop their ability to think critically and creatively.

**Prerequisite:** PPL30

## **MATHEMATICS**

### **MAT1L FOUNDATIONS OF MATHEMATICS, Grade 9 - Essential**

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

### **MFM1W FOUNDATIONS OF MATHEMATICS, Grade 9 – De-Streamed**

This course replaces the applied and academic options with one course code. The instructional strategies and assignments that are used will support a range of student skills and interests. The course is designed through Culturally Relevant and Responsive Pedagogy to develop and enhance real world content and skills.

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.

### **MAT2L FOUNDATIONS OF MATHEMATICS, Grade 10 - Essential**

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

**Prerequisite:** MAT1L or MFM1W

### **MFM2P FOUNDATIONS OF MATHEMATICS, Grade 10 - Applied**

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

**Prerequisite:** MFM1W

### **MPM2D FOUNDATIONS OF MATHEMATICS, Grade 10 - Academic**

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

**Prerequisite:** MFM1W

### **MEL3E MATHEMATICS FOR WORK & EVERYDAY LIFE, Grade 11 - Workplace**

#### **Preparation**

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

**Prerequisite:** Any Grade 9/10 Math Course

### **MBF3C FOUNDATIONS FOR COLLEGE MATHEMATICS, Grade 11 - College Preparation**

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

**Prerequisite:** MFM2P

### **MBF3M FOUNDATIONS FOR COLLEGE MATHEMATICS, Grade 11 – University/College**

#### **Preparation**

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

**Prerequisite:** MFM2P or MPM2D

### **MAP4C FOUNDATIONS FOR COLLEGE MATHEMATICS, Grade 12 - College Preparation**

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

**Prerequisite:** MBF3C or MBF3M

### **MEL4E MATHEMATICS FOR WORK & EVERYDAY LIFE, Grade 12 - Workplace**

#### **Preparation**

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

**Prerequisite:** MEL3E

## **SCIENCE**

### **SNC1L SCIENCE, Grade 9 - Essential**

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

**SNC1D SCIENCE, Grade 9 – De-Streamed**

This course replaces the applied and academic options with one course code. The instructional strategies and assignments that are used will support a range of student skills and interests. The course is designed through Culturally Relevant and Responsive Pedagogy to develop and enhance real world content and skills.

This Course enables students to develop their understanding of concepts related to biology, chemistry, physics, 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.

**SNC2P SCIENCE, Grade 10 - Applied**

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

**Prerequisite:** SNC1D

**SNC2D SCIENCE, Grade 10 – Academic**

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

**Prerequisite:** SNC1D

**SVN3E ENVIRONMENTAL SCIENCE, Grade 11 - Workplace Preparation**

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.

**Prerequisite:** Any Grade 9/10 Science Course

**SBI3C BIOLOGY, Grade 11 - College Preparation**

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

**Prerequisite:** SNC2P or SNC2D

**SCH4C CHEMISTRY, Grade 12 - College Preparation**

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

**Prerequisite:** SNC2P or SNC2D

## **SOCIAL SCIENCE & HUMANITIES**

### **HIF10 EXPLORING FAMILY STUDIES, Grade 9 – Open**

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

### **HFN20 FOOD AND NUTRITION, Grade 10 - Open (Family Studies)**

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. This course provides students with opportunities to develop food preparation skills and introduces them to the use of social science research methods in the area of food and nutrition.

**Prerequisite: None**

### **HPC30 RAISING HEALTHY CHILDREN, Grade 11 - Open**

This course focuses on the skills and knowledge parents, guardians, and caregivers need, with particular emphasis on maternal health, pregnancy, birth, and the early years of human development (birth to six years old). Through study and practical experience, students will learn how to meet the development 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.

**Prerequisite: None**

### **HIP40 PERSONAL LIFE MANAGEMENT, Grade 12 – Open**

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

**Prerequisite: None**

## **COMPUTER & COMMUNICATIONS TECHNOLOGY**

### **TIJ101 EXPLORING TECHNOLOGIES, Grade 9 - 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 postsecondary education and training pathways leading to careers in technology-related fields.

### **TGJ101 EXPLORING COMMUNICATIONS TECHNOLOGY, Grade 9 - Open**

This exploratory course introduces students to concepts and skills in communications technology, including print and graphic communications, photography, and animation. Students will develop an awareness of related environmental and societal issues and will begin to explore secondary and postsecondary pathways leading to careers in the field.

### **TGJ201 COMMUNICATIONS TECHNOLOGY, Grade 10 - Open**

This course introduces students to communications technology from a media perspective. Students will work in the area of print and graphic communications, photography, TV/video and audio production, animation, and video game-making. Students' projects may include computer-based activities such as creating videos, taking and editing photos, designing web pages, developing and creating cartoon animations, and building executable video games. Students will also develop an awareness of environmental and societal issues related to communications technology and explore secondary and postsecondary education and training pathways and career opportunities in the various communications technology fields.

**Prerequisite: None**

### **TEJ3E1 COMPUTER TECHNOLOGY, Grade 11 - Workplace**

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

**Prerequisite: None**

### **TEJ4E1 COMPUTER TECHNOLOGY, Grade 12- Workplace Preparation**

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

**Prerequisite: TEJ3E1**

## **CONSTRUCTION TECHNOLOGY**

### **TCJ101 EXPLORING CONSTRUCTION TECHNOLOGY, Grade 9 - Open**

This exploratory course introduces students to concepts and skills in construction technology, which encompasses plumbing, electrical wiring, masonry, heating/cooling, carpentry, and woodworking. Students will develop an awareness of related environmental and societal issues and will begin to explore secondary and postsecondary pathways leading to careers in the field.

### **TCJ201 CONSTRUCTION TECHNOLOGY, Grade 10 - 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.

**Prerequisite: None**

### **TCJ3C1 CONSTRUCTION ENGINEERING TECHNOLOGY - Grade 11, College Preparation**

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

**Prerequisite: None**

**TCJ3CD CONSTRUCTION ENGINEERING TECHNOLOGY**  
**Double credit – Grade 11, College Preparation**  
**Recommended for career pathway.**

This 2 credit course has emphasis on residential construction. There will be a combination of in-school and offsite construction projects. It is strongly suggested that you also take co-op.

**TCJ4C1 CONSTRUCTION ENGINEERING TECHNOLOGY - College Preparation**

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.

**Prerequisite:** TCJ3C1

**TCJ4CD CONSTRUCTION ENGINEERING TECHNOLOGY - Double credit.**

This 2 credit course has emphasis on commercial and industrial technology. It is strongly suggested that you take co-op.

## **GREEN INDUSTRIES**

**THJ101 EXPLORING GREEN INDUSTRIES - Open**

This exploratory course introduces students to concepts and skills related to the green industries – agriculture, forestry, horticulture, and landscaping. Students will develop an awareness of related environmental and societal issues and will begin to explore secondary and postsecondary pathways leading to careers in the field.

**THJ201 GREEN INDUSTRIES - Open**

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

**Prerequisite:** None

**THJ3E1 GREEN INDUSTRIES, Grade 11 - Workplace Preparation**

**THJ3ED GREEN INDUSTRIES, Grade 11 - Double Credit**

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

**Prerequisite:** None

**THJ4E1 GREEN INDUSTRIES, Grade 12 - Workplace Preparation**

**THJ4ED GREEN INDUSTRIES, Grade 12 - Double Credit**

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

industries. The knowledge and skills acquired in this course will prepare students for the workplace and apprenticeship training.

**Prerequisite:** THJ3E1 or THJ3ED

## **HAIRSTYLING AND AESTHETICS**

### **TXJ1O1 EXPLORING HAIRSTYLING AND AESTHETICS, Grade 9 - Open**

This exploratory course introduces students to concepts and skills related to hairstyling and aesthetics, including hair, nail, and skin care applications. Students will develop an awareness of related environmental and societal issues and will begin to explore secondary and postsecondary pathways leading to careers in the field.

### **TXJ2O1 HAIRSTYLING AND AESTHETICS, Grade 10 - Open**

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

**Prerequisite:** None

### **TXJ3E1 HAIRSTYLING AND AESTHETICS - Workplace Preparation**

### **TXJ3ED HAIRSTYLING AND AESTHETICS – Double Credit**

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

**Prerequisite:** None

### **TXJ4E1 HAIRSTYLING AND AESTHETICS - Workplace Preparation**

### **TXJ4ED HAIRSTYLING & AESTHETICS - Double Credit**

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

**Prerequisite:** TXJ3E1 or TXJ4ED

## **HEALTH CARE**

### **TPJ1O1 EXPLORING HEALTH CARE, Grade 9 - Open**

This exploratory course introduces students to concepts and skills related to health care, which encompasses personal health promotion, child and adolescent health concerns, and various medical services, treatments, instruments, and technologies. Students will develop an awareness of related environmental and societal issues and will begin to explore secondary and postsecondary pathways leading to careers in the field.

### **TPJ2O1 HEALTH CARE, Grade 10 - Open**

This course introduces students to personal health promotion, child and adolescent health concerns, and a variety of medical services, treatments, and technologies. Students will become familiar with various instruments and equipment and will learn about human anatomy, organs, and body chemistry, as well as the effects that lifestyle choices can have on personal well-being. They will plan recreational activities for youth, perform a dietary analysis, and evaluate health care practices. Students will develop an awareness of environmental and societal issues related to health care and will explore secondary and postsecondary pathways leading to careers in the field.



**Prerequisite: None**

### **TPJ3C1 HEALTH CARE, Grade 11 – College Preparation**

This course focuses on the development of knowledge and skills that will benefit students planning a career in the health care field. Students will learn about human anatomy and physiology, homeostasis, vital signs, disease prevention and treatment, how lifestyle choices affect health and well-being, and conventional and complementary methods of disease prevention and treatment. Students will develop an awareness of health and safety issues, environmental and societal issues related to health care, and career opportunities in the field.

**Prerequisite: None**

### **TOJ4C1 CHILD DEVELOPMENT & GERONTOLOGY, Grade 12 - College Preparation**

This course enables students to examine the stages of child development and the aging process. Students will study the processes of disease and factors contributing to health and well-being in early and later life, and will develop skills required to meet the needs of children and older adults (care skills). Students will also learn about legislation governing the care of children and older adults; evaluate social and recreational activities, programs, and services for improving quality of life; and develop an awareness of health and safety issues, environmental and social issues, and career opportunities related to child care and gerontology.

**Prerequisite: None**

## **HOSPITALITY AND TOURISM**

### **TFJ1O1 EXPLORING HOSPITALITY AND TOURISM, Grade 9 - Baking - Open**

### **TFJ1O2 EXPLORING HOSPITALITY AND TOURISM, Grade 9 – Foods - Open**

This exploratory course introduces students to concepts and skills related to hospitality and tourism, focusing on the areas of food handling, food preparation, the origins of foods, event planning, and local tourism.

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

### **TFJ2O1 HOSPITALITY AND TOURISM – BAKING, Grade 10 - Open**

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

**Prerequisite: None**

### **TFJ2O2 HOSPITALITY AND TOURISM – FOODS, Grade 10 - Open**

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

**Prerequisite: None**

### **TFJ3E1 HOSPITALITY & TOURISM – BAKING, Grade 11 - Workplace Preparation**

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

**Prerequisite: None**

**TFJ3E2      HOSPITALITY & TOURISM – FOODS, Grade 11 - Workplace Preparation****TFJ3ED      HOSPITALITY & TOURISM – FOODS, Grade 11 – Double Credit.**

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

**Prerequisite: None**

**TFJ4E1      HOSPITALITY & TOURISM – BAKING, Grade 12 - Workplace Preparation**

This course enables students to further develop knowledge and skills related to the food and beverage services sector of the tourism industry. Students will demonstrate proficiency in using food preparation and presentation tools and equipment; plan nutritious menus, create recipes, and prepare and present finished food products; develop customer service skills; and explore event and activity planning. Students will expand their awareness of health and safety practices, environmental and societal issues, and career opportunities in the food and beverage services sector.

**Prerequisite: TFJ3E1**

**TFJ4E2      HOSPITALITY & TOURISM – FOODS, Grade 12 - Workplace Preparation****TFJ4ED      HOSPITALITY & TOURISM – FOODS, Grade 12- Workplace Preparation - Double Credit**

This course enables students to further develop knowledge and skills related to the food and beverage services sector of the tourism industry. Students will demonstrate proficiency in using food preparation and presentation tools and equipment; plan nutritious menus, create recipes, and prepare and present finished food products; develop customer service skills; and explore event and activity planning. Students will expand their awareness of health and safety practices, environmental and societal issues, and career opportunities in the food and beverage services sector.

**Prerequisite: TFJ3E2 or TFJ3ED**

## **MANUFACTURING TECHNOLOGY**

**TMJ1O1      EXPLORING MANUFACTURING TECHNOLOGY, Grade 9 - Machine Shop – Open**

Have you ever asked yourself “how is that made?” This course will explore current manufacturing processes that create the everyday items we depend on. Units on robotics, plasma cutting and blacksmithing will be covered in a fun, hands on project based learning environment. This course has been designed for students with little or no background in the use of metal-working machine tools. Basic principles and operations of the engine lathe, vertical milling machine as well as precision measuring will be covered in this class. Projects in the past have included the following: A custom handmade aluminum flashlight, belt buckles, sumo battle bots and an ornamental blacksmith project.

**TMJ1O2      EXPLORING MANUFACTURING TECHNOLOGY, Grade 10 - Welding - Open**

This exploratory course introduces students to concepts and skills related to manufacturing technology, which encompasses technical drawing, properties and preparation of materials, manufacturing techniques, and control systems. Students will develop an awareness of related environmental and societal issues and will begin to explore secondary and postsecondary pathways leading to careers in the field.

**Prerequisite: None**

**TMJ2O1      MANUFACTURING TECHNOLOGY, Grade 10 - Machine Shop - Open**

This course introduces students to the manufacturing industry by giving them an opportunity to design and fabricate products using a variety of processes, tools and equipment. Students will learn about technical drawing, properties and preparation of materials, and manufacturing techniques. Student projects may include a robotic challenge (Vex robotics kits), a design challenge (C.N.C. plasma cut sign) or a fabrication project (small air powered motor) involving processes such as machining, welding, vacuum forming, or injection

moulding. Students will develop an awareness of environmental and societal issues related to manufacturing and will learn about secondary and post-secondary pathways leading to careers in industry.

**Prerequisite: None**

### **TMJ2O2 MANUFACTURING TECHNOLOGY, Grade 10 - Welding - Open**

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

**Prerequisite: None**

### **TMJ3E1 MACHINE SHOP, Grade 11 - Workplace Preparation**

This course helps clarify for young people the broad range of career opportunities available within the manufacturing sector. Students will acquire design and fabrication skills using a variety of materials, tools, equipment, and processes, and will construct products that adhere to design specifications and meet quality control standards. This course simulates a work environment and projects will be representative of what they would be doing in industry. Reverse engineering and troubleshooting equipment while producing quality products using the skills acquired is a priority in this learning environment. In addition to developing employability and technical skills, students will develop an understanding of the impact of the manufacturing sector on consumers, society and the environment.

**Prerequisite: None**

### **TMJ3ED MACHINE SHOP, Grade 11 - Double Credit. Recommended for Career Pathway.**

This 2 credit course has emphasis on providing students with hands-on experience to gain an understanding of the machining industry and apprenticeship process. There will be a combination of in-school and offsite machining projects. (Work Experience Program) It is strongly recommended that you also take a co-op course.

**Prerequisite: None**

### **TMW3E1 WELDING TECHNOLOGY, Grade 11- Workplace Preparation**

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

**Prerequisite: None**

### **TMW3ED WELDING TECHNOLOGY, Grade 11 - Double Credit. Recommended for Career Pathway.**

This 2 credit course has emphasis on providing hands-on experience to gain an understanding of the metal fabrication/welding industry. There will also be an option to obtain Government welding certification. Completion of the course will also require a combination of in-school and off-site welding projects. (Work Experience Program) It is strongly suggested that you also take a co-op course.

**Prerequisite: None**

### **TMJ4E1 MACHINE SHOP, Grade 12 - Workplace Preparation**

### **TMJ4ED MACHINE SHOP - DOUBLE CREDIT. Recommended for Career Pathway.**

This class is focused on being a project-driven, hands on learning environment that will build on students' experiences in manufacturing technology. Students will further develop knowledge and skills related to the use of engine lathes, milling machines, welding machines and other related tools and equipment and they design and fabricate solutions to a variety of technological challenges in manufacturing. Projects will be geared towards building tools students can take with them to Trade School if they wish. Students are encouraged to

bring in projects than can be used at the home or farm in order to add meaning to their work. Students may have opportunities to acquire industry-standard training and certification. Students will expand their awareness of environmental and societal issues and of career opportunities in the manufacturing industry.

**Prerequisite: TMJ3E1 or TMJ3ED**

**TMW4E1 MANUFACTURING TECHNOLOGY, Grade 12 - Welding - Workplace Preparation**  
**TMW4ED WELDING - DOUBLE CREDIT. Recommended for Career Pathway.**

This project-driven, hands-on course builds on students' experiences in manufacturing technology. Students will further develop knowledge and skills related to the use of engine lathes, milling machines, welding machines, and other related tools and equipment as they design and fabricate solutions to a variety of technological challenges in manufacturing.

Students may have opportunities to acquire industry-standard training and certification. Students will expand their awareness of environmental and societal issues and of career opportunities in the manufacturing industry.

**Prerequisite: TMW3E1 or TMW3ED**

## **TRANSPORTATION TECHNOLOGY**

**TTJ1O1 EXPLORING TRANSPORTATION TECHNOLOGY, Grade 9 - Auto Body - Open**  
**TTJ1O2 EXPLORING TRANSPORTATION TECHNOLOGY, Grade 9- Auto Maintenance - Open**

This exploratory course introduces students to concepts and skills related to transportation technology, which encompasses the maintenance, servicing, and repair of various types of vehicles, aircraft, and/or watercraft. Students will develop an awareness of related environmental and societal issues and will begin to explore secondary and postsecondary pathways leading to careers in the field.

**TTJ2O1 TRANSPORTATION TECHNOLOGY, Grade 10 - Auto Body - Open**

This course is an introduction to the transportation industry. It is a progression that leads students from basic bicycle repairs to small engine repairs and finishes with basic automotive maintenance. A series of practical tasks will help students develop problem solving, diagnostic, and mechanical aptitude. Students will also explore career and college opportunities in the transportation sector.

**Prerequisite: None**

**TTJ2O2 TRANSPORTATION TECHNOLOGY, Grade 10- Auto Maintenance - Open**

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

**Prerequisite: None**

**TTJ3C1 TRANSPORTATION TECHNOLOGY – Vehicle Maintenance, Grade 11– College Preparation**

**TTJ3CD TRANSPORTATION TECHNOLOGY, Grade 11 – Vehicle Maintenance Double Credit - Grade 11, College Preparation**

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

**Prerequisite: None**

**TTB3C1 TRANSPORTATION AUTO BODY, Grade 11, College Preparation**

**TTB3CD TRANSPORTATION AUTO BODY, Grade 11 - Double Credit**

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

**Prerequisite: None**

**TTJ4C1      VEHICLE MAINTENANCE, Grade 12 - College Preparation**

**TTJ4CD      VEHICLE MAINTENANCE, Grade 12 - Double Credit**

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

**Prerequisite: TTJ3C1 or TTJ3CD**

**TTB4C1      AUTO BODY, Grade 12 - College Preparation**

**TTB4CD      AUTO BODY, Grade 12 – Double Credit**

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

**Prerequisite: TTB3C1 or TTB3CD**

## **e-Learning**

The Upper Grand District School Board belongs to the ***Ontario e-Learning Consortium*** with 20 other School Boards, working together to optimize e-Learning programs and enhance student learning through emerging technologies and innovative practices. Through this partnership students in the UGDSB have access to well over 100 different courses by our partner boards.

Beginning with the cohort of students who entered Grade 9 in the 2020-21 school year, all students must earn a minimum of two online learning credits as part of the requirements for an Ontario Secondary School Diploma unless they have been opted out or exempted. For more information, please contact your school's Guidance Department.

# Other Important Information

---

## SUPPORTING SECONDARY SCHOOL STUDENTS WITH STUDENT SUCCESS

---

In the Upper Grand District School Board and at College Heights Secondary School, we believe that all students can succeed. Our goal is to ensure that students graduate from high school so that they may move on to the pathway destination of their choice. In order to reach every student, secondary schools have several Student Services available to support students along the way. Guidance counselors assist students with appropriate course selections; provide career counselling and advise students on post-secondary options. They also collaborate with Social Workers, Attendance Counselors and Child and Youth Workers to co-ordinate social and emotional support. Students with exceptionalities are supported by Special Education Resource Teachers.

The Student Success Teacher works directly with students who have, or may experience difficulties in their courses. The Student Success Teacher works closely with the other members of the Student Success Team including the school administration, Guidance and Special Education in order to determine the best interventions within the school to support students and help get them back on track. Some of the services that the Student Success Teacher may provide include mentoring students, monitoring their progress, supporting their teachers and coordinating Credit Recovery and Alternative Education programs.

Student Success is a team approach that involves all members of the educational community: the student, the parents/guardians, the classroom teachers and the Student Success Team. Together we can help students experience success.

***If you have questions about...***

<ul style="list-style-type: none"><li>• Changing courses or option selections</li><li>• Social-Emotional or Wellness concerns</li><li>• Careers, Apprenticeships, College, Universities</li><li>• your student’s Individualized Education Plan (IEP)</li><li>• IPRC reviews</li><li>• Academic Support</li><li>• Credit Recovery</li><li>• Safety Concerns</li></ul>	Call into the main office and they will direct you to the appropriate staff member
--	--

---

## SCHOOL RULES FOR SUCCESS

---

- ***Be In Every Class Every Day***
- ***Be Prepared to Work Every Day***
- ***Be Respectful to Those Around You Every Day***

---

## **Student Activities**

---

### **Intramurals**

Intramurals are for any students. They take place during the lunch period, usually in the gym. Listen to the announcements and refer to the bulletin boards in the physical education hall. Get involved at lunch in a variety of sports without having to be on a team.

### ***Other Lunch Activities***

There are a variety of activities students may participate in during the lunch hour to suit all interests and hobbies. Some of these may activities include: board games, open gym, RC club, movies and homework club. Students are invited to visit the Resource Room (A104), B101, the Library, or the Gym to see what is happening!

---

## TRANSPORTATION – UPPER GRAND DISTRICT SCHOOL BOARD

---

### ***Bus Transportation***

Bus transportation is a privilege which can be revoked if students do not adhere to the policies as outlined by UGDSB. Unacceptable bus behaviour will be referred to the Vice-Principal. Students who misbehave will be suspended from their bus and will make their own arrangements to get to school. **Only those students who qualify for transportation may ride on the buses and they may only ride on the bus assigned to them.**

Contact Student Transportation Services at 519-824-4119 if you have any questions, or on the web at [www.findmyschool.ca](http://www.findmyschool.ca)

**Note:** Most school buses have functioning video and audio surveillance at all times, and these will be used to investigate any problems.

### ***Bus Delay and Cancellation Subscription Service Available***

We now offer a subscription service that will notify the subscriber via email when your child(ren's) bus has been cancelled or is delayed. To subscribe go to: <https://www.findmyschool.ca/subscriptions/login.aspx> and follow the directions.

### ***May a student temporarily ride another bus while parent or guardian is away?***

All temporary transportation requests shall be refused, except under extraordinary circumstances where the personal well-being of a student is at stake. Refer to Policy 029 – Temporary Transportation Requests.

### ***Student Driving***

All cars must be parked between lines and not blocking traffic lanes. Cars should be locked. Parking is a privilege. That privilege may be removed if the student abuses the privilege by driving recklessly or at excessive speeds. Students must consider the safety of others when entering or exiting school property.

---

## CODE OF CONDUCT

---

### ***Goal***

It is the policy of College Heights and the Upper Grand District School Board to maintain a safe and inclusive learning and teaching environment through the adoption of a Code of Conduct which promotes responsibility, respect, civility and academic excellence, and sets clear standards of behaviour for all members of the school community. The goal is to create a positive school climate where all members of the school community feel safe, comfortable and accepted.

### ***Rights***

#### **Student Rights Include:**

- To be treated with dignity and respect
- To be provided with activities that are success-oriented and build on individual strengths
- To receive a quality education
- To be free from racial, religious and sexual prejudice and from physical and verbal harassment
- To be informed about matters affecting their education

#### **Parent Rights Include:**

- To be treated with dignity and respect
- To be heard and to have concerns addressed
- To communicate with the school

#### **Staff Rights Include:**

- To be treated with dignity and respect
- To have a safe working environment
- To expect parents and students to be involved in creating a positive school environment



---

## GENERAL SCHOOL POLICIES

---

### Attendance

Our entire staff will put a great deal of time and energy into getting students to attend all their classes. Why? If you go to class and try your best, you will pass. Consistent student attendance and quality instruction is our goal.

For our attendance policy please visit <https://www.ugdsb.ca/college-heights/programs/courses/>

### Medical Issues and Injuries

Any student with a life-threatening medical condition is required to notify the Principal and arrange an appropriate health and safety plan. Inform your teachers of your health issues. In case of injury, the circumstances must be reported to the teacher in charge and the appropriate forms filled out in the main office.

### Assemblies

These gatherings may be planned for the entire school or teacher optional, meaning the teacher may or may not decide to take the class. In either case, attendance is mandatory whether at the assembly or in class. The presentation deserves courteous attention.

### Books – Textbooks and Library

Only textbooks and library books are loaned out to the student. It is expected that these will be returned in good condition or a payment for replacement will be required.

### Lockers

Lockers will be assigned to students. Lockers are Board of Education property and may be inspected by school staff at any time. The school cannot assume responsibility for the loss or theft of any articles left in lockers. Locker numbers, combinations or keys must be given to homeroom teachers. If you use a key, the spare key is kept in the office in the event the students loses/forgets to bring it. The combinations are kept with the student profile in the event they forget it.

### Breakfast Club

The Breakfast Club runs every day at 8:50. Volunteers from the University of Guelph Nutrition Program serve the breakfast. Students are expected to clean up after themselves. Student cost is 50¢. All food is compliant with the Ministry of Education policy.

### Cafeteria

The school cafeteria provides hot lunches, sandwiches, etc. at a reasonable cost. All students are expected to clean up their own garbage and return dirty dishes and cutlery. The weekly bulletin has our daily features and is posted on our school website.

### Equipment – Use of Gymnasium, Stage or Classroom

All students must supply equipment as requested by individual teachers. This would include three-ring binders and paper, pens, pencils, safety glasses, combination locks and calculators. Appropriate athletic wear is required for all phys-ed classes. Students can purchase athletic equipment (shirts and shorts) through their phys-ed teacher. The school cannot accept responsibility for property that you bring to school or co-op placement. You should be sure that all your property is name-tagged. **All rooms in the school, including the gyms and the stage, are out of bounds to students unless a teacher is present.**

### Equity and Bias-Free Policy

It is the policy of the School Board to provide and maintain learning and working environment of tolerance, fairness, justice and equality for all students, staff and to those within the community it serves while recognizing and acknowledging the diversity of race, colour, creed and ethnicity. The Board and College Heights condemn and refuse to ignore or to tolerate any expression of racial, religious, sexual orientation, gender or ethnic bias in any form by its students and staff.

### Evaluation Days (Formal Evaluation Days/Exams)

Evaluation/Exam Days are compulsory for all students to attend.

*Note: In the case of inclement weather, it may be necessary to change the dates.*

---

## COLLEGE HEIGHTS SCHOOL RESOURCES

---

### **Resource Room**

The resource room at College Heights is known to most students by the room number, “A4”, although its official title is Program Support Services. The purpose of the resource room is to provide assistance to students for their classroom work. A4 can be a very handy place to get some extra help for your assignments for writing your test, or perhaps a quieter setting for completing your work. Your classroom teacher and you will decide together if getting help in the resource room is an appropriate support for you at College Heights.

### **Student Resource Centre/Guidance**

The Student Resource Centre in B hall includes the Guidance Department and other services that students may wish to use. Guidance Counsellors are available to help you problem-solve for the following type of things: course selection or changes, career planning, goal setting, personal or social issues and problems that you may be facing. Normally, you would be expected to make an appointment to see a counsellor but if you have an emergency, we will try to have someone talk with you immediately. If Guidance staff is not available to assist you, they will do their best to help you find someone who can, either inside or outside the school. Other services available through the Student Resource Centre include a Youth Worker, an Attendance Counsellor, and a Drug and Alcohol Counsellor.

### ***Support for Exceptional Students***

The Upper Grand District School Board provides a number of resources and support structures for provision of Special Education Services including the following:

- i. The Special Education Advisory Committee (SEAC) composed of representatives from parent support groups, board personnel and trustees. SEAC monitors Special Education support provided by the board and makes recommendations on policies, and programs provided. Parents are invited to contact SEAC representatives through the Board at (519) 822-4420.
- ii. The Boards Special Education Plan and Special Education Policies are available through the principal at each school, online at [www.ugdsb.on.ca](http://www.ugdsb.on.ca) or by calling the Boards Program Department at (519) 941-6191.
- iii. If a student is identified by the board or the school as having exceptional needs, then an Individual Education Plan (IEP) will be prepared and distributed to teachers in order to support the student. Parents or students may ask to have this put in place and the school will decide if an official Identification Placement and Review Committee (IPRC) meeting is required before the IEP is written.

## What do you need to graduate from high school?

### 18 compulsory credits

Students must earn the following compulsory credits to obtain the Ontario Secondary School Diploma:

4	credits in English (1 credit per grade)*
3	credits in mathematics (1 credit in Grade 11 or 12)
2	credits in science
1	credit in Canadian history
1	credit in Canadian geography
1	credit in the arts
1	credit in health and physical education
1	credit in French as a second language
0.5	credit in career studies
0.5	credit in civics

In addition, students must complete:

✓	12 optional credits†
✓	40 hours of community involvement activities
✓	the provincial literacy requirement

Plus one credit from each of the following groups:

	<b>Group 1:</b>
	<ul style="list-style-type: none"> <li>• English or French as a second language**</li> <li>• a Native language</li> <li>• a classical or international language</li> <li>• social sciences and the humanities</li> <li>• Canadian and world studies</li> <li>• guidance and career education</li> <li>• cooperative education***</li> </ul>
1	
	<b>Group 2:</b>
	<ul style="list-style-type: none"> <li>• health and physical education</li> <li>• the arts</li> <li>• business studies</li> <li>• French as a second language**</li> <li>• cooperative education***</li> </ul>
1	
	<b>Group 3:</b>
	<ul style="list-style-type: none"> <li>• science (Grade 11 or 12)</li> <li>• technological education</li> <li>• French as a second language**</li> <li>• computer studies</li> <li>• cooperative education***</li> </ul>
1	

\* A maximum of 3 credits in English as a second language (ESL) or English literacy development (ELD) may be counted towards the 4 compulsory credits in English, but the fourth must be a credit earned for a Grade 12 compulsory English course.

\*\* In groups 1, 2 and 3, a maximum of 2 credits in French as a second language can count as compulsory credits, one from group 1 and one from either group 2 or group 3.

\*\*\* A maximum of 2 credits in cooperative education can count as compulsory credits.

† The 12 optional credits may include up to 4 credits earned through approved dual credit courses.

## Community Involvement

As a part of the diploma requirements students must complete a minimum of 40 hours of community involvement activities. The community involvement requirement is designed to encourage students to develop awareness and understanding of civic responsibility, and of the role they can play in supporting and strengthening their communities. The requirement will benefit communities, but its primary purpose is to contribute to students' development.

Students may start accumulating hours in the summer leading into Grade 9, or any time during their time at College Heights. The requirement is to be completed outside of normal instructional hours, for example: during the students= designated lunch hour, after school, on weekends, or during school holidays. Students will maintain and provide a record of their community involvement activities and they must be confirmed by the organizations and/or persons supervising. **Students may NOT fulfil the requirement through activities that are counted toward a credit, through paid work, or by assuming duties normally performed by a paid employee.**

## Substitutions for Compulsory Course

In order to allow flexibility in designing a student=s program and to ensure that most students can qualify for the secondary school diploma, substitutions may be made for a limited number of compulsory credit courses using courses from the remaining courses offered by the school that meet the requirements for compulsory credits. Principals may replace up to three courses with courses from the remainder of those that meet the compulsory credit requirements. Each substitution will be noted on the student's Ontario Student Transcript.

## The Ontario Secondary School Certificate

The Ontario Secondary School Certificate will be granted on request to students who leave school before earning the Ontario Secondary School Diploma, provided that they have earned a minimum of 14 credits distributed as follows:

Compulsory Credits (total of 7)

- 2 credits in English**
- 1 credit in Canadian geography or Canadian history**
- 1 credit in mathematics**
- 1 credit in science**
- 1 credit in health and physical education**
- 1 credit in the arts or technological education**

## The Ontario Secondary School Literacy Requirement

All Ontario high school students must successfully complete the Ontario Secondary School Literacy Test (OSSLT) in order to earn an Ontario Secondary School Diploma. Students will take the OSSLT when they are in their Grade 10 year. The test will be based on the Ontario curriculum expectations for language and communication - particularly reading and writing - up to and including Grade 9.

**The Ontario Secondary School Literacy Course** is available to students who have been eligible to write the Ontario Secondary School Literacy Test twice, and have been unsuccessful at least once. Students who complete the course successfully will meet the provincial literacy requirement for graduation and achieve a Grade 12 credit.

## E-Learning

Beginning with students that entered Grade 9 in the 2020-21 school year, all students, unless opting out, must earn at least two online learning credits to get their Ontario Secondary School Diploma.

Students can count **one** secondary school credit that was earned during the province wide school closures (from April 2021 to June 2021) towards the two online learning credits that they need to graduate.

## The Certificate of Accomplishment

Students who leave school before fulfilling the requirements for the Ontario Secondary School Diploma or the Ontario Secondary School Certificate may be granted a Certificate of Accomplishment. The Certificate of Accomplishment may be a useful means of recognizing achievement for students who plan to take certain kinds of further training, or who plan to find employment after leaving school.

---

## GENERAL COURSE INFORMATION

---

The courses in this school are developed in accordance with the requirements of the Ontario Ministry of Education and Training. All course activities in this school are open to both male and female students. Course of study outlines are available in the school as information for students and parents/guardians. Programs are designed to provide a broad educational experience for students at College Heights Secondary School. In addition to the academic and technological studies, it is highly recommended that the students select work education programs. These serve as a further bridge to successful employment.

### ***School Year Organization***

The programs at College Heights are semestered. The first semester begins in September and ends in January. The second semester begins in February and ends in June. All students at College Heights are expected to take four credits in each semester from Grades 9 through 12.

### ***Types of Courses***

The provision of different types of courses in the secondary school program are designed to provide all students with the essential knowledge and skills they will need in any area of endeavour, as well as the opportunity to specialize in areas that are related to their particular goals. The types of courses offered in the Grade 9 and 10 are as follows:

**Academic** courses focus theory and abstract ideas.

**Applied** courses focus on practical applications and concrete examples.

**De-Streamed** courses replace the applied and academic options with one course code. The instructional strategies and assignments that are used will support a range of student skills and interests. The course is designed through Culturally Relevant and Responsive Pedagogy to develop and enhance real world content and skills.

**Open** courses are offered in all secondary school grades and are designed to prepare students for further study in certain subjects, such as technological education, and to enrich their overall education.

**Locally Developed** courses are available and are designed to provide students with a modified course to

remediate basic skills in the areas of English, math, and science.

Grade 11 and 12 course offerings have been developed to stream students into specific destinations such as the world of work, or on to post-secondary education.

Courses offered in Grade 11 and Grade 12 will include Workplace Preparation, Open, Mixed and College Preparation.

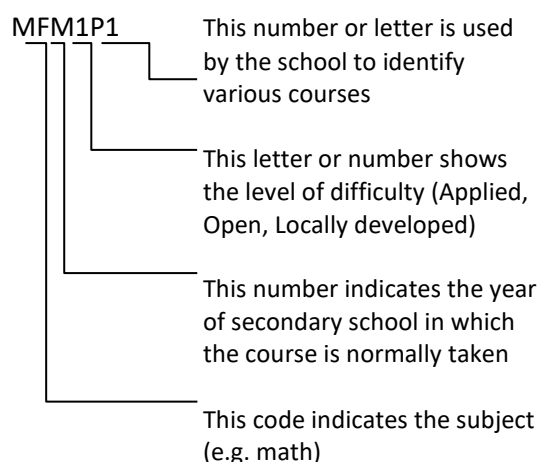
### ***Definitions***

**Credit:** A means of recognition of successful completion of a course for which a minimum of 110 hours of instructional time has been scheduled. A credit is granted by the principal on behalf of the Minister.

**Compulsory Course:** A course that must be included in a student's program of study towards the earning of a diploma.

**Course:** A set of learning activities that enable students to attain the expectations related to courses that are developed from Ministry of Education and Training curriculum policy.

**Course Coding:** The Common province-wide coding system is used. Courses are indicated as per the following example:



## Ontario Student Transcript

The Ontario Student Transcript provides an official and consistent record of the Ontario secondary courses taken by a student. Beginning in the 1999-2000 school year, schools were required to provide a complete record of students' performance in Grade 11 and 12 courses. Under this requirement, both successful and unsuccessful attempts at completing Grade 11 and 12 courses are recorded on the OST. The OST will include:

- All Grade 9 and 10 courses successfully completed by the student, with percentage grades obtained and credits earned;
- All Grade 11 and 12 courses completed or attempted by the student, with percentage grades obtained and credits earned;
- Identification of compulsory credits, including compulsory credit substitutions
- Confirmation that the student has successfully completed the OSSLT and Community Involvement Hours

As of September 1, 1999 the OST will also include a record of the achievement of exceptional students who have alternative learning expectations in an individualized, non-credit program. Student transcripts will be kept in the Ontario Student Record file (which contains all documentation since kindergarten) in the Guidance office.

For more information on evaluation, equivalency, and course types please visit <https://www.ugdsb.ca/college-heights/programs/courses>

---

## SCHOOL TO CAREER PROGRAMS

---

Schools to Career Programs provide all students with unique opportunities to learn about the world of work, explore potential careers, and gain valuable work experience. These planned learning experiences assist all students, whether bound for college, apprenticeship, university or the workplace, in making informed career decisions, and in developing the knowledge, skills and attitudes that are essential in today's society. School to Career Programs vary in each school but is open to all students in the Upper Grand and Wellington Catholic District School Boards.

### *Co-operative Education*

Co-operative Education is a program that allows senior students to extend classroom learning into supervised placements in the community. Students can earn a minimum of 2 credits which are linked to specific in-school subjects.

#### **How Will Co-op Benefit You?**

- explore future career possibilities
- understand employer expectations in real situations
- obtain work experience often required by college programs
- apply and expand classroom knowledge
- work with state-of-the-art equipment and technology
- benefit from the expertise of people in your community
- develop employability skills necessary for success in the workplace



### *Ontario Youth Apprenticeship Program*

The Ontario Youth Apprenticeship Program (OYAP) is a new and specialized Co-op Program for those students interested in Apprenticeship Training. This program allows senior students to complete Co-op credits toward their Ontario Secondary School Diploma (OSSD) and earn hours towards an apprenticeship in one of the designated trade sectors: construction, motive power, industrial or service.

#### **How Will OYAP Benefit You?**

- X Focus your educational courses on your desired trade
- X Strengthen your skills and expand your knowledge related to your chosen trade
- X Accumulate a substantial number of hours towards the apprenticeship requirements of your choice
- X In some cases, you may earn money while still receiving credits towards your OSSD



## CHSS PATHWAYS

### Arts Pathway

Grade 9
English / Math / Science / Visual Arts/ Drama Exploring Technology / Canadian Geography Healthy Active Living /Theatre Tech: Integrated Arts
Grade 10
English / Math / Science / Drama Canadian History / Careers & Civics Guitar / Visual Arts or Crafts
Grade 11
English / Math /Guitar Drama / Co-op Ed / Visual Arts Crafts
Grade 12
English / Drama / Co-op / Elective / Visual Arts



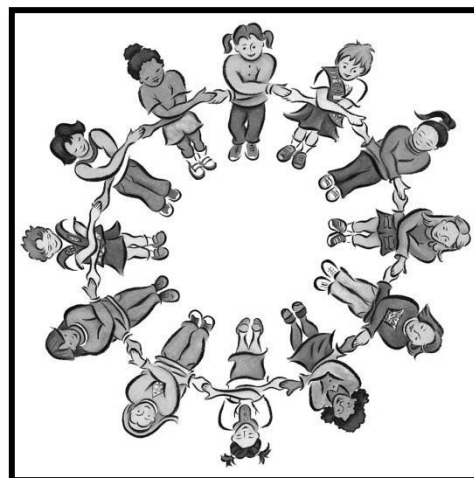
### SHSM CERTIFICATIONS

CPR, First Aid and WHMIS Training  
Curatorial Techniques / Theatrical Make-Up / Training in an Art Form  
Training in a Technique / Musical Instrument Repair

Work	Apprenticeships	College
<ul style="list-style-type: none"> <li>• Actor / Artist / Musician</li> <li>• Disc Jockey</li> <li>• Film Production / Tech</li> <li>• Make-Up Artist</li> <li>• Screen Printing</li> <li>• Set Builder / Dresser</li> <li>• Set Rigger</li> <li>• Sign Maker</li> <li>• Singer</li> </ul>	<ul style="list-style-type: none"> <li>• Draftsperson</li> <li>• Entertainment Industry</li> <li>• Gemsetter / Goldsmith</li> <li>• Painter and Decorator</li> <li>• Special Events Coordinator</li> </ul>	<ul style="list-style-type: none"> <li>• Advertising Agent</li> <li>• Animator</li> <li>• Fashion Designer</li> <li>• Graphic Artist</li> <li>• Illustrator</li> <li>• Music / Performing Artist</li> <li>• Photographer</li> <li>• Radio Announcer</li> <li>• Travel &amp; Tourism Agent</li> </ul>

## Child Care Pathway

Grade 9
English / Math / Science / Healthy Active Living Exploring Technology / Canadian Geography Exploring Health Care Individual Family & Social Living
Grade 10
English / Math / Science / Health Care Canadian History / Careers & Civics Food & Nutrition / Elective
Grade 11
English / Math / Art Leadership & Peer Support Raising Healthy Children / Elective Co-op
Grade 12
English / Drama – Co-op / Elective Child Developments & Gerontology



### SHSM CERTIFICATIONS

CPR, First Aid and WHMIS Training  
Infection Control / Ethical Considerations / Communication Skills / Sterile Techniques  
Customer Service / Feeding Assistance / Ambulation, Lifting and Transfers

Work	Apprenticeships	College
<ul style="list-style-type: none"> <li>• Babysitter</li> <li>• Community Service</li> <li>• Day Care Worker</li> <li>• Drop-In Centre Worker</li> <li>• Nanny</li> </ul>	<ul style="list-style-type: none"> <li>• Aboriginal Child Development</li> <li>• Practitioner</li> <li>• Child &amp; Youth Worker</li> <li>• Child Development Practitioner</li> <li>• Educational Assistant</li> <li>• Development Services Worker</li> </ul>	<ul style="list-style-type: none"> <li>• Child &amp; Youth Worker</li> <li>• Community &amp; Justice Services</li> <li>• Correctional Worker</li> <li>• Development Service Worker</li> <li>• Early Childhood Education</li> <li>• Recreation &amp; Leisure Services</li> <li>• Social Service Planner</li> <li>• Special Needs Support Worker</li> </ul>



## Communications Technology Pathway

Grade 9
English / Math / Communications Technology Exploring Technology / Canadian Geography Healthy Active Living / Elective
Grade 10
English / Math / Science / Canadian History Careers & Civics / Communication Technology Elective
Grade 11
English / Math / Art Communications Technology / Co-op Information & Communication Technology / Electives
Grade 12
English / Elective Communications Technology / Co-op



Work	Apprenticeships	College
<ul style="list-style-type: none"> <li>• Cable Installer Technician</li> <li>• Cable Repair Technician</li> <li>• Computer Support Technician</li> <li>• Data Entry Clerk</li> <li>• Flash Designer</li> <li>• Graphics Designer</li> <li>• Photography</li> <li>• Retail-Computers</li> <li>• Games, Parts</li> <li>• Technical Support</li> <li>• Videography</li> <li>• Web Site Designer</li> </ul>	<ul style="list-style-type: none"> <li>• Appliance Service Technician</li> <li>• Electronic Service Technician</li> <li>• Information Tech. Support</li> <li>• Hardware Technician</li> <li>• Network Technician</li> <li>• IT Contact Centre                             <ul style="list-style-type: none"> <li>- Customer Care Agent</li> <li>- Sales Agent</li> <li>- Technical Support Agent</li> </ul> </li> <li>• Micro-Electronics Manufacturer</li> <li>• Network Cabling Specialist</li> </ul>	<ul style="list-style-type: none"> <li>• Computer Applications Support</li> <li>• Computer Programmer</li> <li>• Computer Repair &amp; Maintenance</li> <li>• Computer Systems Technician</li> <li>• Computer Systems Technology</li> <li>• Game Development</li> <li>• Graphic Design</li> <li>• Retail Operations</li> </ul>

# Construction Technology Pathway

Grade 9
English / Math / Science / Healthy Active Living Exploring Technology / Canadian Geography Construction Technology / Elective
Grade 10
English / Math / Science / Electives Canadian History / Careers & Civics Construction Technology
Grade 11
English / Math / Art / Co-op Construction Technology / Electives
Grade 12
English / Electives / Construction Technology / Co-op



## SHSM CERTIFICATIONS

CPR, First Aid and WHMIS Training / Fall Protection / Scaffold Safety  
Fire Extinguisher Use / Health and Safety / Lockout/tagging

Work	Apprenticeships	College
<ul style="list-style-type: none"> <li>• Architectural Assistant</li> <li>• Cable Television Service</li> <li>• Cabinet Making Manufacturer</li> <li>• Carpet Installer</li> <li>• Construction Trades Helper &amp; Labourer</li> <li>• Countertop Manufacturer</li> <li>• Deck Installer</li> <li>• Maintenance Technician</li> <li>• Retail Sales <ul style="list-style-type: none"> <li>- Building Centres</li> <li>- Hardware Stores</li> </ul> </li> </ul>	<ul style="list-style-type: none"> <li>• Brick &amp; Stone Mason</li> <li>• Cement Finisher</li> <li>• Drywall, Acoustic &amp; Lathing Applicator</li> <li>• Drywall Finisher &amp; Plasterer</li> <li>• Electrician</li> <li>• General Carpenter</li> <li>• Plumber</li> <li>• Roofer</li> <li>• Restoration Mason</li> </ul>	<ul style="list-style-type: none"> <li>• Architectural Technologist</li> <li>• Brick &amp; Stone Mason</li> <li>• Cabinet Maker</li> <li>• Construction Engineering</li> <li>• Supervisor</li> <li>• Construction Carpentry Techniques</li> <li>• Industrial Woodworking Technician</li> <li>• Renovation Technician Construction</li> </ul>

## Green Industries – Agriculture & Horticulture Pathway

Grade 9
English / Math / Science / Electives Exploring Technology / Canadian Geography Healthy Active Living / Green Industries
Grade 10
English / Math / Science / Electives Canadian History / Careers & Civics / Green Industries
Grade 11
English / Math / Art / Science Co-op / Green Industries
Grade 12
English / Green Industries Co-op Elective / Electives



### SHSM CERTIFICATIONS

CPR, First Aid and WHMIS Training / Plant Identification / Cash Handling  
Customer Service / Pruning / Tree Planting

<ul style="list-style-type: none"> <li>• City Worker / Gardener</li> <li>• Garden Centre Sales</li> <li>• Garden Centre Supervisor</li> <li>• Groundskeeper</li> <li>• Landscape Design Helper</li> <li>• Landscaping &amp; Grounds</li> <li>• Maintenance</li> <li>• Nursery &amp; Greenhouse Worker</li> </ul>	<ul style="list-style-type: none"> <li>• Arborist</li> <li>• Fruit Grower</li> <li>• Horticulture Technician</li> <li>• Utility Arborist</li> </ul>	<ul style="list-style-type: none"> <li>• Arboriculture</li> <li>• Ecosystem Management</li> <li>• Technician / Technologist</li> <li>• Environmental Technician</li> <li>• Technologist</li> <li>• Garden Centre Retail Sales &amp; Marketing</li> <li>• Horticultural / Landscape</li> <li>• Technician</li> <li>• Urban Forestry</li> </ul>
--	---	---

Work	Apprenticeships	College
<ul style="list-style-type: none"> <li>• Animal Care Worker</li> <li>• Beef/Poultry/Sheep Producer</li> <li>• Dairy Farm Milker</li> <li>• Farm Animal Trucker</li> <li>• Farm Labourer</li> <li>• Farm Machine Operator</li> <li>• Herdsperson</li> <li>• Horse Trainer</li> <li>• Maple Syrup Producer</li> <li>• Pet Groomer</li> </ul>	<ul style="list-style-type: none"> <li>• Agricultural Equipment Tech.</li> <li>• Agriculture <ul style="list-style-type: none"> <li>- Dairy Herdsperson</li> <li>- Fruit Grower</li> <li>- Swine Herdsperson</li> </ul> </li> <li>• Horse Groom</li> <li>• Horse Harness Maker</li> <li>• Retail Meat Cutter</li> <li>• Saddlery</li> </ul>	<ul style="list-style-type: none"> <li>• Agricultural Technologist</li> <li>• Agricultural &amp; Heavy Duty</li> <li>• Equine Massage Therapist</li> <li>• Equipment Technician</li> <li>• Farm Manager</li> <li>• Horse Industry Technician</li> <li>• Veterinarian Office Administrator</li> <li>• Veterinarian Technician</li> </ul>

## Hairstyling & Aesthetics Pathway

Grade 9
English / Math / Science / Elective Exploring Technology / Canadian Geography Healthy Active Living / Hairstyling & Aesthetics
Grade 10
English / Math / Science / Elective Canadian History / Careers & Civics Hairstyling & Aesthetics
Grade 11
English / Math / Art / Co-op Elective / Hairstyling & Aesthetics
Grade 12
English / Elective / Hairstyling & Aesthetics Co-op



### SHSM CERTIFICATIONS

CPR, First Aid and WHMIS Training / Infection Control / Ethical Considerations  
Communication Skills / Sterile Techniques / Customer Service / Feeding Assistance  
Ambulation, Lifting and Transfers

Work	Apprenticeships	College
<ul style="list-style-type: none"> <li>• Cosmetics Sales</li> <li>• Desairologist</li> <li>• Hair Removal Specialist</li> <li>• Funeral Assistant</li> <li>• Make Up Artist</li> <li>• Nail Technician</li> <li>• Salon Reception / Assist.</li> <li>• Salon Owner / Operator</li> </ul>	<ul style="list-style-type: none"> <li>• Hairstylist</li> </ul>	<ul style="list-style-type: none"> <li>• Advanced Special Effects</li> <li>• Makeup, Prosthetics &amp; Props</li> <li>• Aesthetician</li> <li>• Colour Technician</li> <li>• Cosmetic Techniques &amp; Mgmt.</li> <li>• Fashion Merchandising</li> <li>• Hair Stylist</li> <li>• Nail Technician</li> <li>• Spa Management</li> </ul>

# Health Care Pathway

Grade 9
English / Math / Science / Elective Exploring Technology / Canadian Geography Healthy Active Living / Health Care
Grade 10
English / Math / Science / Electives Canadian History / Careers & Civics Health Care
Grade 11
English / Math / Art / Elective / Co-op Health Care / Science
Grade 12
English / Electives / Child Development & Gerontology Co-op



## SHSM CERTIFICATIONS

CPR, First Aid and WHMIS Training / Infection Control / Ethical Considerations  
Communication Skills / Sterile Techniques / Customer Service / Feeding Assistance  
Ambulation, Lifting and Transfers

Work	Apprenticeships	College
<ul style="list-style-type: none"> <li>• Home Support Worker</li> <li>• Nanny</li> <li>• Senior's Helper</li> </ul>	<ul style="list-style-type: none"> <li>• Aboriginal Child Development</li> <li>• Practitioner</li> <li>• Child &amp; Youth Worker</li> <li>• Child Development Practitioner</li> <li>• Developmental Services Worker</li> <li>• Educational Assistant</li> </ul>	<ul style="list-style-type: none"> <li>• Dental Assistant</li> <li>• Massage Therapist</li> <li>• Medical Lab. Assist. / Tech.</li> <li>• Occupational Therapist Assist.</li> <li>• Office Assistant (Medical/Optical)</li> <li>• Pharmacy Technician</li> <li>• Personal Support Worker</li> <li>• Veterinary Assistant</li> <li>• Veterinary Technician</li> </ul>

# Hospitality & Tourism – Baking Pathway

Grade 9
English / Math / Science / Exploring Technology Canadian Geography / Healthy Active Living Hospitality & Tourism (Baking/Foods) Elective
Grade 10
English / Math / Science / Elective Canadian History / Careers & Civics Hospitality & Tourism (Baking) Hospitality & Tourism (Foods)
Grade 11
English / Math / Art / Co-op / Elective Hospitality & Tourism (Foods) Hospitality & Tourism (Baking)
Grade 12
English / Math / Elective / Co-op Hospitality & Tourism (Baking)



## SHSM CERTIFICATIONS

CPR, First Aid and WHMIS Training  
Customer Service / Smart Service / Safe Food Handling

Work	Apprenticeships	College
<ul style="list-style-type: none"> <li>• Baker's Helper</li> <li>• Bakery – Private</li> <li>• Bakery – Grocery Stores</li> <li>• Caterer</li> <li>• Dishwasher</li> <li>• Fast Food Server</li> <li>• Food &amp; Beverage Server</li> <li>• Hostess</li> <li>• Waiter / Waitress</li> </ul>	<ul style="list-style-type: none"> <li>• Baker</li> <li>• Baker – Patisserie</li> <li>• Cook Assistant Br. 1</li> <li>• Cook – Br. 2</li> <li>• Special Events Coordinator</li> </ul>	<ul style="list-style-type: none"> <li>• Baking &amp; Pastry Arts</li> <li>• Chef</li> <li>• Conference &amp; Event Planner</li> <li>• Cook</li> <li>• Culinary Management</li> <li>• Food &amp; Beverage Service</li> <li>• Hospitality &amp; Tourism Management</li> </ul>

# Hospitality & Tourism – Foods Pathway

Grade 9
English / Math / Science / Exploring Technology Canadian Geography / Healthy Active Living Hospitality & Tourism (Baking/Foods) Elective
Grade 10
English / Math / Science / Elective Canadian History / Careers & Civics Hospitality & Tourism (Baking) Hospitality & Tourism (Foods)
Grade 11
English / Math / Art Co-op / Elective Hospitality & Tourism (Foods)
Grade 12
English / Math Hospitality & Tourism (Foods) Co-op



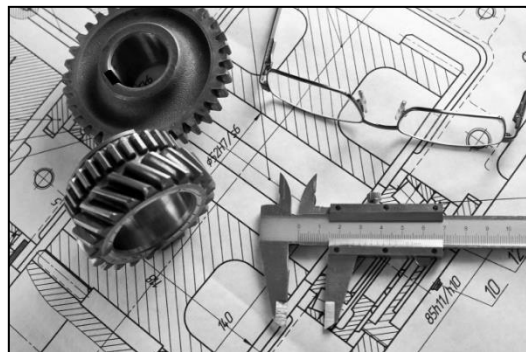
## SHSM CERTIFICATIONS

CPR, First Aid and WHMIS Training  
Customer Service / Smart Service / Safe Food Handling

Work	Apprenticeships	College
<ul style="list-style-type: none"> <li>• Bartender</li> <li>• Bed &amp; Breakfast Operator</li> <li>• Cook's Helper</li> <li>• Caterer</li> <li>• Dishwasher</li> <li>• Fast Food Server</li> <li>• Hostess</li> <li>• Restaurant Owner</li> <li>• Waiter / Waitress</li> </ul>	<ul style="list-style-type: none"> <li>• Chef</li> <li>• Cook – Assistant Br. 1</li> <li>• Cook – Br. 2</li> </ul>	<ul style="list-style-type: none"> <li>• Baking &amp; Pastry Arts</li> <li>• Chef</li> <li>• Conference &amp; Event Planner</li> <li>• Cook</li> <li>• Culinary Management</li> <li>• Food &amp; Beverage Service</li> <li>• Hospitality &amp; Tourism - Hotel, Spa, Restaurant</li> </ul>

# Manufacturing – Machine Shop Pathway

Grade 9
English / Math / Science / Exploring Technology Canadian Geography / Healthy Active Living Manufacturing Technology - Machine Shop
Grade 10
English / Math / Science / Elective Canadian History / Careers & Civics Manufacturing Technology - Machine Shop Manufacturing Technology - Welding
Grade 11
English / Math / Art / Electives Co-op / Machine Shop
Grade 12
English / Math / Machine Shop Co-op



## SHSM CERTIFICATIONS

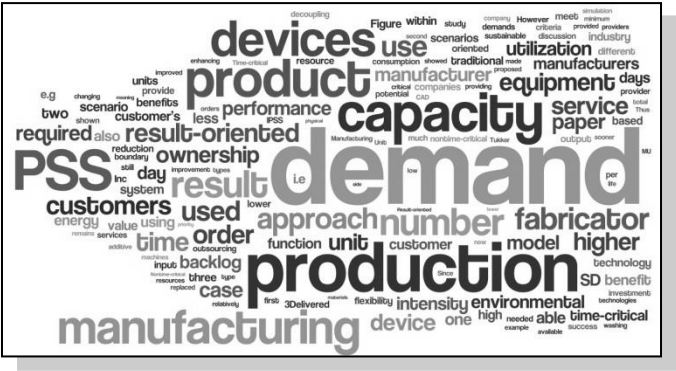
CPR, First Aid and WHMIS Training / Canadian Welding Bureau  
Propane Safety / Arc Flash Safety / Fire Extinguisher / Lockout/tagging

Work	Apprenticeships	College
<ul style="list-style-type: none"> <li>• Chainsaw &amp; Skidder Operator</li> <li>• Labourer in Processing/Manufacturing</li> <li>• Mechanical / Electrical Assembler</li> <li>• Metalworking Machine Operator</li> </ul>	<ul style="list-style-type: none"> <li>• Bearings Mechanic</li> <li>• CNC Programmer</li> <li>• Die Designer</li> <li>• Draftsperson</li> <li>• General Machinist</li> <li>• Industrial Mechanic</li> <li>• Metal Fabricator (Fitter)</li> <li>• Millwright</li> <li>• Mould Maker</li> <li>• Tool &amp; Die Maker</li> </ul>	<ul style="list-style-type: none"> <li>• General Machinist</li> <li>• Industrial Mechanic - Millwright</li> <li>• Industrial Maintenance Mechanic</li> <li>• Mechanical Technician – Tool &amp; Die</li> <li>• Mould Maker</li> </ul>



## Manufacturing – Welding Pathway

Grade 9
English / Math / Science / Exploring Technology Canadian Geography / Healthy Active Living Manufacturing Technology - Welding Elective
Grade 10
English / Math / Science / Elective Canadian History / Careers & Civics Manufacturing Technology - Machine Shop Manufacturing Technology - Welding
Grade 11
English / Math / Art / Electives Co-op / Welding
Grade 12
English / Electives / Welding / Co-op



## SHSM CERTIFICATIONS

<p>CPR, First Aid and WHMIS Training / Canadian Welding Bureau</p> <p>Propane Safety / Arc Flash Safety / Fire Extinguisher / Lockout/tagging</p>
---

Work	Apprenticeships	College
<ul style="list-style-type: none"> <li>• Labourers in Processing/Manufacturing</li> <li>• Mechanical / Electrical Assembler</li> <li>• Metalworking Machine Operator</li> <li>• Metal Fabricators (Fitter)</li> <li>• Machine Operators</li> <li>• Welding Machine Operator</li> <li>• Welder's Assistant</li> </ul>	<ul style="list-style-type: none"> <li>• Blacksmith</li> <li>• Fitter-Assembler (Motor Assembly)</li> <li>• Pressure Systems Welder</li> <li>• Welder</li> </ul>	<ul style="list-style-type: none"> <li>• Welding Engineering Technician</li> <li>• Welding Engineering Technology</li> <li>• Welding / Fitter</li> <li>• Welding Techniques</li> </ul>

# Recreation & Security Pathway

Grade 9
English / Math / Science / Exploring Technology Canadian Geography / Healthy Active Living Individual Family & Social Living / Elective
Grade 10
English / Math / Science / Elective Canadian History / Careers & Civics Healthy Active Living / Food & Nutrition
Grade 11
English / Math / Biology Healthy Active Living / Health for Life Leadership & Peer Support / Co-op
Grade 12
English / Math / Healthy Active Living Elective / Co-op



Work	Apprenticeships	College
<ul style="list-style-type: none"> <li>• Careers in the Military</li> <li>• Community Centre Worker</li> <li>• Fitness Instructor</li> <li>• Instructor in Recreation &amp; Sports Programs</li> <li>• Parks Operation and Services Helper</li> <li>• Recreation &amp; Sports Facilities Helper</li> <li>• Security Guard</li> <li>• Ski Lift Operator</li> <li>• Sports Equipment Specialist</li> <li>• Sport Goods Retail Sales Person</li> </ul>	<ul style="list-style-type: none"> <li>• Child Development Practitioner</li> <li>• Developmental Services Worker</li> <li>• Education Assistant</li> </ul>	<ul style="list-style-type: none"> <li>• Coaching &amp; Sports Developer</li> <li>• Fitness &amp; Health Promotion</li> <li>• Golf &amp; Recreation Management</li> <li>• Law &amp; Security Administration</li> <li>• Paramedic</li> <li>• Police Foundations</li> <li>• Pre-Service Firefighter Education</li> <li>• Recreation &amp; Leisure Services</li> <li>• Sports Administration</li> <li>• Tourism Management</li> </ul>

# Transportation Vehicle Maintenance Pathway

Grade 9
English / Math / Science / Exploring Technology Canadian Geography / Healthy Active Living Vehicle Maintenance / Elective
Grade 10
English / Math / Science Canadian History / Careers & Civics Electives / Vehicle Maintenance
Grade 11
English / Math / Art Co-op / Elective / Vehicle Maintenance
Grade 12
English / Elective / Vehicle Maintenance Co-op



## SHSM CERTIFICATIONS

CPR, First Aid and WHMIS Training / Environmental Spill  
Fire Extinguisher / Fall Protections

Work	Apprenticeships	College
<ul style="list-style-type: none"> <li>• Air Craft Assemblers</li> <li>• Automotive Parts Assembler</li> <li>• Automotive Sales</li> <li>• Farm Equipment Technician</li> <li>• Heavy Duty Equipment Tech.</li> <li>• Small Engine Mechanic</li> </ul>	<ul style="list-style-type: none"> <li>• Agricultural Equipment Tech.</li> <li>• Automotive Service &amp; Heavy Duty Equipment Technician</li> <li>• Marine Engine Technician</li> <li>• Powered Lift Truck Technician</li> <li>• Recreation Vehicle Technician</li> <li>• Small Engine, Transmission and Motorcycle Technician</li> <li>• Truck &amp; Coach Technician</li> </ul>	<ul style="list-style-type: none"> <li>• Aerospace Engineering Technician</li> <li>• Automotive Service Technician</li> <li>• Aviation Technician - Aircraft Maintenance</li> <li>• Farm Equipment Technician</li> <li>• Motive Power Technician (Automotive)</li> </ul>

## **MY PATHWAY PLAN**

Course	Prerequisite	Essential	Applied	Workplace	College

Future Plans – Workplace / College / Apprenticeship

---

---

---

---