

Guelph Collegiate Vocational Institute

Grade 10 Course Selection for 2024-2025

Table of Contents

Art	3
ASM20 - Media Arts, Grade 10, Open	3
AVI20 - Visual Arts, Grade 10, Open	3
Business Department	3
BEP20 – Launching and Leading a Business, Grade 10, Open	3
Computer Studies	4
ICD20 – Digital Technology and Innovations in the Changing World, Grade 10, Open	4
Drama	4
ADA20 - Drama, Grade 10, Open	4
AMT20 - Musical Theathre, Grade 9/10, Open	4
English	4
ENG2D - English, Grade 10, Academic	4
ENG2L - English, Grade 10, Essential	4
ENG2P - English, Grade 10, Applied	5
Family Studies	5
HFN20 - Food and Nutrition, Grade 10, Open	5
Guidance	5
GLC20 - Career Studies, Grade 10, Open	5
History	5
CHC2D - Canadian History since World War 1, Grade 10, Academic	5
CHC2P - Canadian History since World War 1, Grade 10, Applied	6
CHV20 - Civics and Citizenship, Grade 10, Open	6
Interdisciplinary Studies	5
CELP - Community Environmental Leadership Program, Grade 10	6
MADE, Grade 10	7
Languages	8
FSF2D - French, Grade 10, Academic	8
LWGBD - German, Grade 10, Academic	8
LWSBD - Spanish, Grade 10, Academic	8
Math	8
MAT2L - Mathematics, Grade 10, Essential	8
MFM2P - Foundations of Mathematics, Grade 10, Applied	8
MPM2D - Principles of Mathematics, Grade 10, Academic	8
Music	9

AMG20 - Guitar, Grade 10, Open.....	9
AMI20N - Music - Instrumental, Grade 10, Beginning, Open.....	9
AMI20 - Music - Instrumental, Grade 10, Experienced, Open.....	9
AMV20 - Music - Vocal, Grade 10, Open.....	9
Physical Education	9
PAF20 - Introduction to Personal Fitness, Grade 10, Open	9
PPL20 - Healthy Active Living, Grade 10, Open.....	10
Science	10
SNC2D - Science, Grade 10, Academic.....	10
SNC2L - Science, Grade 10, Essential.....	10
SNC2P - Science, Grade 10, Applied	10
Technology	10
TCJ20 - Construction Technology (Woodworking), Grade 10, Open.....	10
TDJ20 - Technological Design (Architectural/Engineering Design), Grade 10, Open.....	10
TEJ20 - Computer Technology, Grade 10, Open.....	10
TFJ20 - Hospitality and Tourism, Grade 10, Open.....	10
TGJ20 - Communications Technology, Grade 10, Open.....	11
THJ20 – Green Industries, Grade 10, Open.....	11
TMJ20 - Manufacturing (Metal Working), Grade 10, Open.....	11
TTJ20 (co-ed) or TTJ20X (female) - Transportation Technology (Automotive), Grade 10, Open.....	11
TXJ20 – Hairstyling and Aesthetics, Grade 10, Open.....	11

Art

ASM20 - Media Arts, Grade 10, Open

This course enables students to create media art works by exploring new media, emerging technologies such as digital animation, and a variety of traditional art forms such as film, photography, video, and visual arts. Students will acquire communications skills that are transferable beyond the media arts classroom and develop an understanding of responsible practices related to the creative process. Students will develop the skills necessary to create and interpret media art works.

Recommended Preparation: AVI10 or AVI20, Visual Arts, Grade 9 or Grade 10, Open

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.

Recommended Preparation: AVI10, Visual Arts, Grade 9, Open

Business Department

BEP20 – Launching and Leading a Business, Grade 10, Open

This course introduces students to the world of business and what is required to be successful, ethical, and responsible in today's economy. Students will develop the knowledge and skills needed to be an entrepreneur who knows how to respond to local and global market opportunities. Throughout the course, students will explore and understand the responsibility of managing different functions of a business. This includes accounting, marketing, information and communication technology, financial management, human resources, and production.

Prerequisite: None

Computer Studies

ICD20 – Digital Technology and Innovations in the Changing World, Grade 10, Open

This course helps students develop cutting-edge digital technology and computer programming skills that will support them in contributing to and leading the global economic, scientific and societal innovations of tomorrow. Students will learn and apply coding concepts and skills to build hands-on projects and investigate artificial intelligence, cybersecurity, and other emerging digital technologies that connect to a wide range of fields and careers. Using critical thinking skills with a focus on digital citizenship, students will investigate the appropriate use and development of the digital technologies that they encounter every day, as well as the benefits and limitations of these technologies.

Drama

ADA20 - Drama, Grade 10, Open

This course provides the opportunities 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.

AMT2O - Musical Theatre, Grade 9/10, Open

This course focuses on the application of knowledge and skills related to the creation, interpretation, and production of Musical Theatre involving drama, music, dance and visual art. Students will study, evaluate, create, produce and promote a pre-selected musical. Students will have an opportunity to engage in supplemental tasks designed to enrich their understanding and enjoyment of Musical Theatre. Performers are expected to commit to 10-12 hours of extra rehearsal per week. These rehearsals are scheduled for after school and on the weekends. Production students are expected to commit to extra rehearsals for the final 4 weeks of show rehearsal.

Note: This course runs every other year and it will be offered again in the **2025-2026** school year.

English

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 analyse and create effective media works. An important focus will be the thoughtful use of spoken and written language.

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

Prerequisite: ENL1W, English, Grade 9

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, and in the English, Grade 11, Workplace Preparation course. The course is organized by areas of focus that extend listening and talking skills, reading and viewing skills, and writing skills. The focus is on refining foundational literacy skills, and on 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. Students reflect regularly upon their growth in these areas.

Prerequisite: ENG1L, English, Grade 9, Essential

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.

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

Prerequisite: ENG1D or ENG1P, English, Grade 9, Academic or Applied

Family Studies

HFN2O - Food and Nutrition, Grade 10, Open

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

Note: This course will prepare you for HFA4C and HFA4U, Nutrition and Health.

Guidance

GLC20 - Career Studies, Grade 10, Open

This course gives students the opportunity to develop the skills, knowledge, and habits that will support them in their education and career/life planning. Students will learn about global work trends, and seek opportunities within the school and community to expand and strengthen their transferable skills and their ability to adapt to the changing world of work. On the basis of explorations, reflective practice, and decision-making processes, students will make connections between their skills, interests, and values and their postsecondary options, whether in apprenticeship training, college, community living, university, or the workplace. They will set goals and create a plan for their first postsecondary year. As part of their preparation for the future, they will learn about personal financial management – including the variety of saving and borrowing tools available to them and how to use them to their advantage – and develop a budget for their first year after secondary school.

History

CHC2D - Canadian History since World War 1, Grade 10, Academic

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

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

CHV20 - Civics and Citizenship, Grade 10, Open

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

Interdisciplinary Studies

CELP - Community Environmental Leadership Program, Grade 10

The Community Environmental Leadership Program (CELP) is an interdisciplinary program at the Grade 10 Level administered by Centennial CVI and open to students from any Guelph or Fergus high school. Students spend a semester at the University of Guelph Arboretum earning four Grade 10 credits: English, Careers/ Civics, Outdoor Education Phys. Ed. and Interdisciplinary Studies. Highlights of CELP are an overnight field camp, a biking unit learning about safe city biking, teaching an EcoStars program to elementary students and learning in an experiential setting. Students gain leadership, teamwork and communication skills in a community environment. The program costs \$500 for the semester but any student can get a full or part bursary to cover fees. For more information and to apply, go to www.celp.info

The 4 Credits Earned are:

ENG2D: Academic English, ENG2P (Applied) also available

GLC2O: Career Studies (0.5)

CHV2O: Civics (0.5)

PAD2O: Outdoor Activities

IDP2O: Interdisciplinary Studies

Prerequisite: We recommend students have completed Grade 9 Academic English.

Host School: Centennial CVI

MADE

MADE in Guelph is an innovative program for Grade 10, 11 and 12 students interested in a non-traditional immersive Arts experience.

The program provides students with the opportunities to interact with local, professional artists and develop individual and group creative skills.

ALL LEVELS OF ABILITY are welcome in the collaborative environment.

Students will explore Music, Art, Drama, and English in an integrated, non-traditional way, away from their home school at the Guelph Black Heritage Society's Heritage Hall (83 Essex Street). In this setting, students will experience authentic learning opportunities and use their new skills to host Arts events and performances for wider audiences.

MADE students will:

- Develop new skills through Artist-led workshops
- Plan, create, promote, and perform in student exhibitions and public performances
- Visit various Arts institutions
- Learn in a collaborative setting comprised of students from all Guelph-area high schools
- Attend professional exhibits such as productions, studio tours, and workshops
- Participate in immersive workshops for each arts discipline, led by experienced artists and arts educators.

CREDITS EARNED: (All courses will be taught from an interdisciplinary perspective)

Music - AMC 3M or AMC4M: Music for Creating, Grade 11/12 (University/College Preparation) Students will experience different approaches to musical creation and performance. They will participate in music appreciation, creation, and performance in non-traditional formats. Students will have the opportunity to learn from professional musicians in a variety of settings connected to the local music culture and scene.

Art - AWT 3M or AWT4M: Non-Traditional Media, Grade 11/12 (University/College Preparation) Students will create collaborative media productions. They will have the chance to participate in visual art appreciation, creation, and

performance. Students will have the chance to learn from professional artists in a variety of settings that foster artistic success in the local community, the street, and galleries.

Drama - ADD3M or ADD4M: Drama Production, Grade 11/12 (University/College Preparation) In addition to skill development and small-scale projects, students will form a production company and assume the roles required off-stage as well as on. This will be done through the development of different productions and events for varying audiences.

English - ENG2D, ENG 3U/C or EWC4U/C: English / Writer's Craft (grade 12) Grade 10, 11, or 12 English (students will work toward one of these credits) Students will read and demonstrate an understanding of a varying set of written works. . Students will be asked to explore works deeply using a focus on thinking, analysis, and written/spoken communication. Students will be challenged to read and write for a variety of purposes with emphasis on creativity and clarity.

Prerequisites: Core English and Experience in one Arts area in either grade 9 or 10

How to Apply: Download and submit an application from [MADE Student Application 24/25](#) by FEBRUARY 22, 2024. Successful candidates will be notified in March 2024. Offered in the winter term of 2024-2025.

Course fee: \$250; however, no student will be denied this course due to financial reasons. See your Guidance Office for more information.

Languages

FSF2D - French, Grade 10, Academic

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

Prerequisite: FSF1D, French, Grade 9

LWGBD - German, Grade 10, Academic

This course provides opportunity for students to begin to develop and apply skills in listening, speaking, reading, and writing in German. Students will communicate and interact in structured activities, with a focus on matters of personal interest and familiar topics, and will read and write simple texts. Students will also acquire and understanding and appreciation of German speaking regions while developing the skills necessary for lifelong language learning.

LWSBD - Spanish, Grade 10, Academic

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

Math

MAT2L - 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.

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 relations. Students will investigate similar triangles, the trigonometry of right triangles, and the measurement of three-dimensional figures. Students will consolidate their mathematical skills as they solve problems and communicate their thinking.

Prerequisite: MTH1W, Mathematics, Grade 9, De-streamed

MPM2D - Principles 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 multi-step problems.

Prerequisite: MTH1W, Mathematics, Grade 9, De-streamed

Music

AMG20 - Guitar, Grade 10, Open

This course emphasizes performance of music at a 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. This course is designed for the beginning guitar student who will learn how to tune the guitar, read chord charts and melodic notation, be introduced to folk, rock, pop, blues, jazz and classical styles through performance, listening, music theory and the history of the guitar.

AMI2ON - Music - Instrumental, Grade 10, Beginning

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

Note: This course is not open to students who have successfully completed Grade 8 instrumental music.

AMI20 - Music - Instrumental, Grade 10, Experienced, Open

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

Recommended Preparation: Music - Instrumental, Grade 9, Open, or Music - Instrumental, Grade 10, Beginning

AMV20 - Music - Vocal, Grade 10, Open

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

Recommended Preparation: Music - Vocal, Grade 9, Open

Physical Education

PAF20 - Introduction to Personal Fitness, Grade 10, Open

This co-educational course is designed for grade 9/10 students to explore fitness workouts three days a week and health awareness and education two days a week. The course is structured as an introductory level course that will help prepare students to take future fitness courses or participate in personal fitness programs outside of school with confidence. This course emphasizes commitment and enthusiastic participation in highly challenging physical activities that promote lifelong healthy active living and personal physical fitness. Students will learn movement skills, fitness training methods and principles, varied methods of improving and maintaining personal fitness and physical competence, safety and injury prevention as well as learn fitness based activities that can be explored later in life. The content for the health would focus on overall personal health (physical, social, mental, emotional, spiritual well being).

Note: A voluntary enrichment fee may apply for various fitness experiences.

PPL20 - Healthy Active Living, Grade 10, Open

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

Note: Voluntary Enrichment Experience Fee: \$35 includes an outdoor experience/adventure day to Brock University.

Science

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 connections between cells and systems and animals and plants; various types of chemical reactions, with a particular focus on acid-base

reactions; forces that affect climate and climate change; and the interaction of light and matter. This course is an excellent preparation for success in the 3U/4U science courses.

Prerequisite: Science, Grade 9, De-streamed

SNC2L - Science, Grade 10, Essential

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

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 human cells and body systems; chemical reactions; factors affecting climate change; and the interaction of light and matter. This course prepares students for success in 3C/4C science courses.

Prerequisite: Science, Grade 9, De-streamed

Note: Science, Grade 9 or 10 Essential is not an acceptable prerequisite for this course.

Technology

TCJ20 - Construction Technology (Woodworking), Grade 10, Open

This course introduces students to building materials and processes through opportunities to design and build various wood projects. Students will learn to create and read working drawings; become familiar with common woodworking 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 the imperial measurement system. Students will develop an awareness of environmental and societal issues related to woodworking technology, and will explore secondary and postsecondary pathways leading to careers in the skilled trades.

TDJ20 - Technological Design (Architectural/Engineering Design), Grade 10, Open

This course provides students with opportunities to apply a design process to meet a variety of technological challenges. Students will research projects, create designs, build models and/or prototypes, and assess products and/or processes using appropriate tools, techniques, and strategies. Student projects may include designs for homes, vehicles, bridges, robotic arms, clothing, or other products. Students will develop an awareness of environmental and societal issues related to technological design, and learn about secondary and postsecondary education and training leading to careers in the field.

Note: Students will be introduced to AutoCAD and other computer aided design tools.

TEJ20 - Computer Technology, Grade 10, Open

This course introduces students to computer systems, networking, and interfacing, as well as electronics and robotics. Students will assemble, repair, and configure computers with various types of operating systems and application software. Students will build electronic circuits and write computer programs to control simple peripheral devices and robots. Students will also develop an awareness of environmental and societal issues related to the use of computers, and learn about secondary and postsecondary pathways to careers in computer technology.

TFJ20 - Hospitality and Tourism, 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 post-secondary pathways leading to careers in the tourism industry.

TGJ20 - Communications Technology, Grade 10, Open

This course introduces students to communications technology from a media perspective. Students will work in the areas of TV/video and movie production, radio and audio production, print and graphic communications, photography, and animation. Student projects may include computer-based activities such as creating videos, editing photos, working with audio, cartooning, and developing animations. 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.

Note: A voluntary enhanced programming fee of \$10.00 is recommended.

THJ20 - Green Industries, Grade 10, 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 the green industries, learn about safe and healthy working practices, and explore postsecondary education and training pathways and career opportunities in the various industry sectors.

Prerequisite: None

TMJ20 - Manufacturing (Metal Working), Grade 10, 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, programming properties and preparation of materials, manufacturing techniques and the use of computer numerical control (CNC) machinery. Student projects may include a design challenge, or a fabrication project involving processes such as machining, or welding. 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.

TTJ20 (co-ed) or TTJ20X (female only) - Transportation Technology (Automotive), Grade 10, 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.

TXJ20 - Hairstyling and Aesthetics, Grade 10, Open

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

Prerequisite: None

