

It is our pleasure to offer you some terrific opportunities to explore and develop your potential through the widest range of technical courses possible. It's our hope that you choose new experiences that challenge you and that you develop those challenges into the skills and attitudes necessary to be successful and fulfilled in life. And it's our responsibility to provide these opportunities to you whether you are interested in real-life experiences, a technical career, or both!

So, welcome to the largest, most extensive, technical department in York Region!

So, what if you're not "*technical*"? What if you have never done any of this *stuff*? Non-technical people are simply people yet to be trained. What better way to learn than to do? Take a chance. Design something. Cut something. Machine something. Diagnose and repair something. Program something. Build yourself while you create. Challenge yourself! Or, you can continue to believe you can't do that technical stuff. We certainly believe in you and we make it our job to help you achieve success.

Over the last few years we have been structuring our course offerings to allow you to develop your special technical focus and achieve recognition of *specialist advanced standing* on your graduation diploma. We offer a variety of the Ontario government's *Specialist High Skills Major* (Red Seal) courses and co-op opportunities in areas such as Manufacturing Technology, Construction Technology, Transportation Technology, Hospitality and Tourism as well as Health and Personal Wellness. (More SHSM programs will be opened up in the following years.) Watch for the opportunities to unfold for you and ask questions of your technical teachers and guidance. Your decisions will be made in grade 10 and these can have a dramatic impact on **your future**.

WE OFFER TECHNICAL COURSES UNDER THESE BROAD CATEGORIES:

- ✧ Construction — Building Construction, Woodworking
- ✧ Construction — Furniture/Cabinet Making *
- ✧ Communication Technology *
- ✧ Communication — Yearbook Production *
- ✧ Technological Design *
- ✧ Design — Computer Aided Interior Design *
- ✧ Design — Computer Aided Architecture *
- ✧ Hospitality and Tourism — Cooking & Baking *
- ✧ Manufacturing — Precision Machining
- ✧ Manufacturing — Welding & Fabrication
- ✧ Hairstyling & Aesthetics
- ✧ Health Care Studies *
- ✧ Transportation — Vehicle Maintenance

Most of your grade nine technical courses are half-credit. Be sure to choose at least two half-credit courses where applicable. This is a deliberate attempt to encourage you to challenge yourself with a variety of learning opportunities. There is so much that we have to offer at Huron — including the possibility of many missed opportunities if you're not daring. You're not expected to have any background in the subject matter at all. Curiosity, eagerness, enthusiasm, and a hard working, safe attitude are what we expect of you!

(Don't tell anyone, but Technology is fun too!)

We consider that the grade 10 courses are also exploratory in nature and they do not require the advantage of a grade nine introduction. Of course if you've taken a grade nine course you'll be more familiar with the materials and processes involved, but you won't be at a serious disadvantage in grade ten without grade nine background in that area. (Please note that all grade nine and ten technology courses are offered at the "open" level.)

*Due to facility limitations, some courses are only offered at particular grade levels.

Technology @ Huron Heights Grade 9 2022 / 2023



IF YOU'RE NOT TECHNICALLY LITERATE, THEN TECHNICALLY YOU'RE ILLITERATE!

GRADE 9 — EXPLORING TECHNOLOGICAL EDUCATION

At Huron you choose from the range of technologies in order to tailor a technological experience to your own preferences. These courses enable you to understand the technological and computer concepts you need in order to design, develop, and build useable products and/or deliver services, and pursue further technological studies. You will use the technical design process and a variety of tools and software to solve problems, complete projects, and strengthen your communication skills. At Huron you must choose a minimum of one full course (Personal Services/Cosmetology) or two half courses listed below in order to achieve one credit in Exploring Technology. It is possible to take up to 2 credits in technology at the grade nine level. The majority of your learning will be project-based, and involve considerable hands-on opportunities.

The descriptions below are meant to aid you in understanding the nature of each technical area.

School Course Code: TCJ 102

Subject: CONSTRUCTION TECHNOLOGY (HALF CREDIT)

Title: CONSTRUCTION TECHNOLOGY (HALF CREDIT)

Details: If you like to design and build projects out of wood, then this course will give you the knowledge and skills to do it right and have fun in the process! You will learn to design projects and work safely and efficiently with common woodworking machines and hand tools. This exploratory course introduces you to concepts and skills in construction technology, which encompasses plumbing, electrical wiring, masonry, heating/cooling, carpentry, and woodworking.

NOTE: Huron Heights S.S. has been designated as a Construction technology *Specialist High Skills Major* (SHSM) school for York Region. See your technical teachers or guidance for more information.



School Course Code: TDJ 101

Subject: EXPLORING TECHNOLOGICAL DESIGN (HALF CREDIT)

Title: TECHNOLOGICAL DESIGN (HALF CREDIT)

Details: If you are creative and enjoy drawing and designing, then this course will offer you the opportunity to develop your talents. Using CAD (Computer Aided Design – specifically AutoCAD and Sketch-Up Pro), you will be introduced to the exciting areas of architectural and product design. This exploratory course introduces you to concepts and skills related to technological design, which involves the development of solutions to various design challenges.

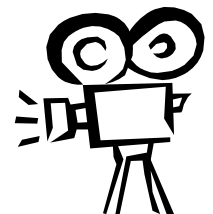


School Course Code: TGJ 101

Subject: EXPLORING COMMUNICATION TECHNOLOGY: (HALF CREDIT)

Title: COMMUNICATION TECHNOLOGY — AUDIO/VIDEO COMMUNICATIONS (HALF CREDIT)

Details: If you really enjoy computer projects, digital photography, videography, have an interest in digital design and publishing then here is where you get your start. You will develop an understanding of computer hardware, desktop publishing and page layout concepts, digital photography, videography and video editing. This exploratory course introduces you to concepts and skills in communications technology, which encompasses television/video and movie production, radio and audio production, print and graphic communications, photography, and animation.



School Course Code: TMJ 101

Subject: EXPLORING MANUFACTURING TECHNOLOGY — PRECISION MACHINING (HALF CREDIT)

Title: MANUFACTURING TECHNOLOGY — PRECISION MACHINING (HALF CREDIT)

Details: Do you enjoy creating things? Would you like to design and build a product using metal? If so, then here is your chance to learn the design basics and work safely with a variety of machines and hand tools while you turn your ideas into reality. This exploratory course introduces you to concepts and skills related to manufacturing technology, which encompasses technical drawing, properties and preparation of materials, manufacturing techniques, and control systems.



NOTE: Huron Heights S.S. has been designated as the Manufacturing technology *Specialist High Skills Major* (SHSM) school for York Region. See your technical teachers or guidance for more information relating to the Exploring Opportunities Program (EOP) and the SHSM program.

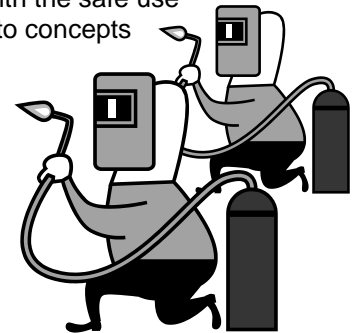


School Course Code: TMJ 102

Subject: EXPLORING MANUFACTURING TECHNOLOGY — WELDING & FABRICATION (HALF CREDIT)

Title: MANUFACTURING TECHNOLOGY — WELDING & FABRICATION (HALF CREDIT)

Details: In this course you will design and make a project of your own choice using the problem-solving design process and physical processes such as cutting, joining, and bending of metals. You will gain welding skills, knowledge of design and manufacturing, and become familiar with the safe use of industrial hand tools and machines. This exploratory course introduces you to concepts and skills related to manufacturing technology, which encompasses technical drawing, properties and preparation of materials, manufacturing techniques, and control systems.



NOTE: Huron Heights S.S. has been designated as the Manufacturing technology *Specialist High Skills Major* (SHSM) school for York Region. See your technical teachers or guidance for more information relating to the Exploring Opportunities Program (EOP) and the SHSM program.

School Course Code: TTJ 101

Subject: EXPLORING TRANSPORTATION TECHNOLOGY (HALF CREDIT)

Title: TRANSPORTATION TECHNOLOGY (HALF CREDIT)

Details: Whatever your interest in transportation be it designing and building, repairing or selling— or just plain enjoying, this transportation course has something for you. Using honest-to-goodness hands-on experience with hand tools, computers and machines (and your coveralls!) you get a great transportation education.

NOTE: Huron Heights S.S. has been designated as a Transportation technology *Specialist High Skills Major* (SHSM) school for York Region. See your technical teachers or guidance for more information relating to the Exploring Opportunities Program (EOP) and the SHSM program.



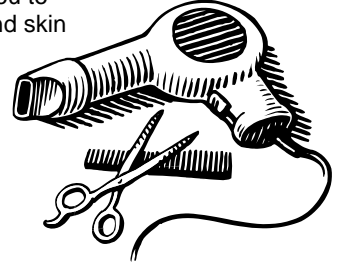
- ** Most of our technical courses at grade 9 are half-credit in order to encourage you to challenge yourself with a variety of learning opportunities.
- *** You may choose up to 4 half-credit grade 9 courses for 2 full credits in Technology! So, be sure to choose a minimum of 2 half-credit courses.
- **** Hairstyling is our only full-credit grade 9 technical course)

School Course Code: TPJ 101

Subject: EXPLORING HAIRSTYLING & AESTHETICS TECHNOLOGY (FULL CREDIT)

Title: HAIRSTYLING & AESTHETICS TECHNOLOGY (FULL CREDIT)

Details: Here's where you are introduced to the exciting areas of beauty and fashion in our professional Huron Heights Salon. Hands-on work, individual projects, group projects, as well as teacher-directed lessons take you through the study of hair and scalp care, hairstyling, hair colouring and cutting, nail care and design, make-up, colour analysis, special effects, digital imaging... the list goes on! This exploratory course introduces you to concepts and skills related to hairstyling and aesthetics, including hair, nail, makeup, and skin care applications.



NOTE: Huron Heights S.S. has been designated as the Health and Personal Wellness *Specialist High Skills Major* (SHSM) school for York Region. See your technical teachers or guidance for more information relating to the Exploring Opportunities Program (EOP) and the SHSM program.

NOTES: Huron Heights is proud to be an active participant in the Ontario Youth Apprenticeship Programme and the Exploring Opportunities Programme (EOP) in manufacturing and the Ontario Ministry of Education's **Specialist High Skills Major** initiative in Manufacturing, Construction, Transportation, Hospitality and Health and Personal Wellness. Ask your technical teachers or guidance for more information.

<http://www.edu.gov.on.ca/eng/studentssuccess/pathways/shsm/index.html>

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