



## Transportation

SPECIALIST HIGH SKILLS MAJOR

### Potential Careers

- ✓ Auto Body Repairer
- ✓ Automotive Service Technician
- ✓ Parts Technician
- ✓ Small Engine Mechanic
- ✓ Aerospace Engineer
- ✓ Automotive Engineer
- ✓ Industrial Engineering Technician
- ✓ Quality Control Assembly Inspector

### A “Head-Start” – Program Overview

The Specialist High Skills Major (SHSM) program in Transportation gives students an opportunity to specialize, gain qualifications, and plan a career pathway in various areas of the Transportation Technology sector while still in high school. The SHSM Program has a number of required components, designed to give students a “head start” to pursue post-secondary opportunities in each of the identified sectors, valuing apprenticeship, college, university and direct entry into the world of work.

Transportation education helps our young people build their confidence, express their individuality, creativity and improve how well they learn other school subjects. Studies show that students who participate in Transportation Technology can develop math, literacy and writing skills with increased proficiency.



### The SHSM Experience

- Gain an awareness of career opportunities in the Transportation Technology sector
- Participate in workshops and sessions with industry professionals
- The practical and theoretical application of automotive and small engine repair, electronics and audio component installation, and auto body repair / detailing
- Attain practical certifications in a variety of techniques as well as entrepreneurial skills
- Develop transferrable skills compatible with multiple pathways to all post-secondary destinations in Transportation Technology

## What is my Plan for Achieving My Goals?

Each SHSM program offers students a bundle of 8 - 10 credits. These courses are regular Ontario secondary school courses that allow students to work towards their Ontario Secondary School Diploma, but have been bundled as the most relevant courses to prepare students for a future in the Transportation Technology sector.

The bundle includes:

- 4 “major” credits in Transportation Technology at the Senior level (Grades 11 and 12). Courses are dependent on the focus of each respective program – contact Lead Teachers or Guidance contacts for information about specific course offerings / requirements.
- Supporting credits, which include Contextualized Learning Activities - opportunities for students to learn the subject in the context of the Transportation sector i.e. Students complete a business project that is sector-specific
  - » 1 Grade 12 English
  - » 1 Grade 11 or 12 Art, Business Studies or Science credit
  - » 2 cooperative education credits that relate directly to the Transportation sector

## What are My Opportunities?

- **Resume-building and Awareness Training:** Students complete sector-recognized certifications related to the major and selected from a list that includes CPR Training, Standard First Aid, WHMIS, and Health and Safety (basic)
- Additional electives specific to the sector including, but not exclusively; vehicle lift safety, lockout/tagging, customer service and computer-aided design and computer aided-manufacturing [CAD/CAM]
- **Experiential Learning Opportunities:**
  - » Have the opportunity to job-shadow industry professionals
  - » Complete 2 Cooperative Education credits and get work experience in the sector
  - » See guest speakers, go on field trips and other workplace experiences to explore potential careers related to Transportation Technology
- **Reach Ahead Experiences:** Visit College and University campuses and industry partners to explore potential post-secondary pathway opportunities
- Completing the SHSM program prepares students for their pathway to apprenticeship, college, university or work

School: Holy Trinity CSS, Oakville

**SHSM Program: TRANSPORTATION TECHNOLOGY**

Focus: Transportation & Mechatronics

Program Teacher: Roger Balech [balechr@hcdsb.org](mailto:balechr@hcdsb.org)

For more information on the Specialist High Skills Major program:

- contact the program teacher
- contact your school guidance counsellor
- log into [myblueprint.ca/hcdsb](http://myblueprint.ca/hcdsb)
- visit <https://haltonpathways.ca> and <https://studentsuccess.hcdsb.org>

