

TRANSPORTATION AUTOMOTIVE & ENGINEERING DESIGN

Nelson High School

PROGRAM OVERVIEW

The Transportation Specialist High Skills Major (SHSM) aligns students with a strong broad base foundation in either the engineering, business, service, repair and modification of vehicles. Students in the Transportation SHSM are working towards an OSSD Diploma with an extra focus put on their chosen career path within the transportation sector (e.g. auto service technician, service manager, heavy equipment design, aviation engineer, parts clerk, emissions analyst, small business owner, marine installer, etc). Our goal is for students to have as many transportation-related classes which include extra emphasis on Contextualized Learning Activities (CLA's) that can be used toward postsecondary, universities, colleges, apprenticeships or world of work career pathways. Nelson also runs a concentrated OYAP program in transportation that students may enrol in.

Experiential Learning Opportunities

- Trips to various transportation related businesses such as car dealers, car manufacturers, airports, heavy equipment organizations and military bases
- Presentations related to different careers within the sector
- Complete a minimum of 2 Cooperative Education credits
- Trips to colleges and universities
- Complete experiences related to math, coding or the design thinking process related to the transportation sector

Related Careers

- Automobile Salesperson
- Automotive Painter
- Automotive Service Technician
- Automotive/Mechanical Engineer
- Bus Driver, Subway Operator, and Truck Driver
- Heavy Equipment Operator/Mechanic
- Motorcycle/Marine Technician
- Parts Technician/Manager
- Service/Driver Manager
- Truck and Coach Technician
- ... and more

Certifications & Training

- CPR Level C / AED Training & Standard First Aid / WHMIS
- Occupational Health & Safety
- Vehicle Safety Lift
- Customer Service, Fire safety Training
- Computer Aided-Design and Computer Aided Manufacturing (CAD/CAM)
- Pleasure Craft Operator
- Portfolio Development
- ... and more

CREDITS

Course Package

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 sector.

The Bundle Includes:

- **4 “major” credits** related to transportation in grade 11 and 12
- **Supporting credits**, which include Contextualized Learning Activities (opportunities for students to learn the subject in the context of the transportation sector):
 - > 1 Grade 12 English credit
 - > 1 Grade 11 Math credit
 - > 1 Grade 11 or 12 Science, Business Studies or Social Sciences credit
 - > 2 Cooperative Education credits to experience life in the transportation sector

Applying to the Transportation SHSM:

All students in Halton are able to attend the Transportation SHSM at Nelson High School in grade 11 and grade 12. Each student's goals will be assessed and course selection will be determined based on their needs.

If you want to learn more about this program:

- Check out the Transportation SHSM at **haltonpathways.ca**
- Visit **myblueprint.ca/halton**
- Contact Brittany Doyle in the Auto Shop or through email: doyleb@hdsb.ca
- Come to a Pathways Planning Information Evening (see haltonpathways.ca for dates and times)

CONTACT

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