

MOTIVE POWER AND ENGINEERING

TRUCK & COACH & HEAVY EQUIPMENT

**Aldershot
School**

PROGRAM OVERVIEW

The Motive Power and Engineering (MPE) SHSM aligns students with a strong broad base foundation in either the engineering, business, service, repair and modification of vehicles. Students in the MPE are working towards an OSSD Diploma, with a focus on Truck and Coach and Heavy Equipment. MPE allows students interested in a career in the Automotive Industry and/or Engineering to focus their studies on: Servicing and Repair, Engineering, Design Technology and Business. These areas of the sector are in high need in order to replenish the ageing workforce. Students of the MPE could go directly to work, seek an apprenticeship or apply to a college program. MPE is beneficial to students considering university programs in fields such as Engineering or a Bachelor of Technology. MPE will expose students to a variety of hands-on experiences, design and engineering content.

Experiential Learning Opportunities

- Trips to various transportation related businesses such as trucking companies, truck repair facilities, bus companies, heavy equipment organizations and manufacturers and related college partners.
- Presentations related to different careers within the sector
- Complete 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

- Truck Driver
- Heavy Equipment Operator
- Truck & Coach Technician
- Heavy Equipment Technician
- Engineer - Mechanical/Automotive
- Designer
- Service Advisor
- Service Manager
- Truck/Equipment Sales Associate
- Parts Sales Associate
- Parts Manager/Sales Manager
- High School Teacher
- Heavy Equipment Mechanic
- ... and more

Certifications & Training

- CPR Level C/AED Training,
- Standard First Aid/WHMIS
- Lift Truck Safety
- Customer Service
- Leadership
- Infection Control
- Fire Safety & Fire Extinguisher Use
- Ergonomics
- ... 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 Aldershot 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 Paul Uzarowski - uzarowski@hdsb.ca
- Come to a Pathways Planning Information Evening (see haltonpathways.ca for dates and times)



CONTACT

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