

Thornton Township High School District 205

Navistar Teacher

TITLE: Navistar Teacher

LOCATION: Designated Building

REPORTS TO: Designated Principal

Job Description:

The Navistar TRUCK AND DIESEL TECHNOLOGY is a three-year program that will repair and maintain diesel engines. We seek instructors with NATFE or ASE Certification in the following eight areas: Engine Repair, Automatic Transmission/Transaxle, Manual Drive and Axles, Suspension and Steering, Brakes, Electrical/Electronic Systems, Heating & Air Conditioning, and Engine Performance.

Overview of the Three-Year Course Content:

INTRODUCTION TRUCK AND DIESEL TECHNOLOGY - Medium and Lightweight Trucks (10 GRADE)

- Component function and operation of a medium-duty inline six-cylinder diesel engine through engine disassembly, critical part measurement, inspection, reassembly, and the starting and running of the engine.
- Preventative truck maintenance tasks

INTERMEDIATE TRUCK AND DIESEL TECHNOLOGY - Medium Trucks (11TH GRADE)

- Learn the component function and operation of a medium-duty V-8 diesel engine - disassemble, measure critical parts, reassemble, start, and run the engine.
- Engine electronic control system and the function of each sensor that controls engine performance. perform engine diagnostics
- Lab activities - vehicle steering, suspension, and brakes.

ADVANCED TRUCK AND DIESEL TECHNOLOGY (12 GRADE)

- Transmission and differential overhaul, drive shaft and clutch replacement, engine performance computer-based diagnostics, HVAC maintenance, etc.
- Qualified students supplement academic and technical education with an industry' world of work" experience working as a co-op at a participating company which can lead to opportunities for permanent employment.