



**College Heights**  
Secondary School

# WHAT WE'RE ABOUT

*If you know anyone who drives or will drive a car, then we have the program for you!*

This fun class offers you real world experience in a live auto shop. The Auto Maintenance program is for any student that would like to understand how problem solving is used on complex machines. Your experience will serve you well, both as a vehicle owner and in your future career.

For further information regarding our programming please contact the Guidance Office at

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# Transportation Technology

## Auto Maintenance

**SHSM**  
UPPER GRAND DSB



## GRADE 9

In grade 9 you are introduced to automotive components and systems. Students will work in the shop performing basic maintenance and repairs. You will become familiar with tools used in the transportation industry and how to use them safely. Careers in this wide ranging field are examined. Communication skills and teamwork are developed and improved. Let the fun begin!

## GRADE 10

In grade 10, you will learn more advanced vehicle maintenance and repair procedures. Diagnostic concepts and procedures are introduced and utilized. Students will begin to develop a personal portfolio of transportation skills in preparation for their senior years. Time flies in this class while you have fun with cars!

## GRADE 11

This double credit course ramps up the speed of both conceptual understanding and vehicle maintenance and repair. Long-term repairs may be done while faster-paced smaller repairs may be taking place. Students may change the type of activities they participate in to vary their learning experiences. Students learn more advanced processes and procedures. You will receive several certifications, as with all SHSM programs. This class is offered as a single credit also. The fun continues!

## GRADE 12

This course is designed for those students that wish to pursue a career in the transportation industry. This is a double credit program that allows students to learn more advance processes and procedures. Students will continue to work in the auto shop maintaining, diagnosing and repairing customers' cars. Further SHSM certifications will be earned. This course will prepare you for college, an apprenticeship or a job in the transportation industry after high school. Come and experience life as a technician!

## JOB OPPORTUNITIES

There are many job opportunities in the auto maintenance industry and these are just a few:

### **Automotive Technician**

*Maintains service operations by inspecting, diagnosing and repairing vehicles. Performs preventative maintenance such as engine tune-ups, oil changes, tire rotation and changes, wheel balancing and replacing filters. Responsible for conducting inspections, repairing engine failures, repairing mechanical and electrical systems malfunctions, replacing parts and components.*

### **Parts Service Advisor**

*The service advisor interacts professionally with customers to create customer confidence in the services being offered by the company. They record vehicle information, refer to service histories and effectively follow-up and prospect customers to secure repeat business. They identify and issue the correct parts.*

### **Truck & Coach Technician**

*Service, repair overhaul, diagnose and inspect motor coaches, heavy trucks and truck- trailers. Their duties include diagnose and repair operating problems in frame and steering mechanisms, engines, transmissions, brakes, ignition, axles, fuel systems, suspension systems, electrical/electronic systems, emission control, and air conditioning to name a few.*

### **Marine Technician**

*Marine technicians test, diagnose, inspect, repair and maintain boat engines and associated boat handling and systems equipment. They ensure their effective use and safe operation.*