



Crocus Plains Regional Secondary School



Course Outline

Course Title: ATA10S-Intro to Automotive Technology

Course Description: The student will become acquainted with the workshop environment, shop safety, basic hand tools, and use of manuals, fasteners, measuring tools, and general minor servicing through a variety of workshop and classroom activities.

General Learning Outcomes:

After completion of this course, the student will be able to:

- Work safely in a modern automobile repair shop.
- Correctly select and handle hand and power tools.
- Operate lifting equipment and safety stands.
- Measure accurately.
- Perform general minor service and repairs.
- Perform routine maintenance on vehicles.
- Properly clean and detail vehicles.
- Access technical information and service bulletins.

Course Evaluation Structure:

- Theory: 30%
- Practical Assignments: 70%

Units/Blocks and Summative Evaluation Summary

Unit 1 Title: Shop orientation and safety

Learning Outcomes:

- Identify and explain the principles of Workplace Hazardous Materials Information Systems. (WHMIS)
- Identify Material Safety Data Sheets (MSDS) for a given chemical.
- Interpret hazardous material symbols.
- Identify risk phrases on material containers.
- Explain precautionary measures to be followed when handling hazardous materials.
- Demonstrate the ability to follow first aid measure labels on products.
- Demonstrate ability to choose correct precautionary measures when handling chemicals.
- Identify potential health safety hazards in an automotive technicians' workplace.
- Demonstrate safe work practice in an auto shop.
- Identify safety equipment in an auto shop.
- Identify government policies, procedures, guidelines and standards related to workplace health and safety.

Unit 2 Title: Fasteners and hand tools

Learning Outcomes:

- Identify commonly used automotive fasteners.
- Select and use fasteners properly.
- Identify common automotive hand tools.
- List safety rules for hand tools.
- Select right tool for the given job.
- Maintain and store tools properly.
- Use hand tools safely.

Unit 3 Title: Information retrieval.

Learning Outcomes:

- Interpret service manuals, software, and bulletins.

Unit 4 Title: Wheels & Tires

Learning Outcomes:

- Describe basic tire, wheel construction, components, and locating inflation specifications.
- Identify vehicles equipped with current tire technology and procedures required to complete service.
- Select and operate the required equipment to complete service repairs to wheels and tires.
- Balance wheels.
- Reinstall the wheel and tire assemblies on a vehicle.
- Perform tire rotation

Unit 5 Title: Hand Projects, Automobile dismantling

Learning Outcomes:

- Proper use of basic hand tools.
- Working together to complete a task.
- Basic understanding of how an automobile is assembled.