



Glendale Secondary School
Technological Studies Course Outline 2015/2016
Transportation Technology, Grade 12, TTJ4C



TEACHER: Mr. S. Lees

PREREQUISITE: TTJ3C

HOURS: 110

CREDIT VALUE: 1

DEPARTMENT HEAD: Ms. K. Ciprietti

TEXTBOOK: Class sets

REQUIRED MATERIALS: Notebook and Pen

GUIDELINE: The Ontario Curriculum Grade 11 and 12 (Revised 2009)
Technological Education

The text will be provided without charge. The student is responsible for returning the book in reasonable condition. The student will be charged for lost or damaged books. **Textbook replacement cost: \$100.00**

COURSE DESCRIPTION: This course enables students to further develop technical knowledge and skills as they study, test, service and repair engine management systems, power trains, steering/control, suspension, brake and body systems on vehicles or small engine products. Students will refine communication and teamwork skills through practical tasks, using a variety of tools and equipment. Students will expand their awareness of environmental and societal issues related to transportation and their knowledge of apprenticeship and college programs leading to careers in the transportation industry.

STRANDS and OVERALL EXPECTATIONS:

Transportation Technology Fundamentals

Overall Curriculum Expectations:

By the end of this course, students will be able to:

- demonstrate an understanding of the operation of engine management systems;
- demonstrate an understanding of the principles of operation of power transfer devices;
- demonstrate an understanding of troubleshooting techniques used to diagnose problems in power train systems;
- assess the effect of modifying a vehicle;
- demonstrate accurate and appropriate use of technical and mathematical knowledge and skills in the study of transportation technology.

Transportation Technology Skills

Overall Curriculum Expectations:

By the end of this course, students will be able to:

- demonstrate the use of a variety of troubleshooting techniques to service and repair engine management systems;
- inspect, service and repair drive train components in compliance with manufacturers' standards;
- use proper procedures for the inspection, servicing and repair of steering/control, suspension, brake and body systems;
- develop appropriate solutions to a variety of repair challenges.

Technology, the Environment and Society

Overall Curriculum Expectations:

By the end of this course, students will be able to:

- demonstrate an understanding of environmental issues in the transportation industry and use the best practices to remedy or reduce the environmental effects of using specific products or processes;
- assess the effects that various aspects of the transportation industry have on society.

Professional Practice and Career Opportunities

Overall Curriculum Expectations:

By the end of this course, students will be able to:

- demonstrate the use of professional work practices and procedures and compliance with occupational health and safety regulations and standards;
- describe career opportunities in the transportation industry and the training and qualifications required for them.

For Glendale's Assessment and Evaluation Policy see the Student Handbook available on Glendale's Website.

CELL PHONES/PERSONAL ELECTRONIC DEVICES

Teachers will determine when personal electronic devices, including cell phones, will be used as instructional tools/supports. At other times these devices (with the exception of electronic translators) are not to be used and must be turned off and be stored away. Consequences for inappropriate use of these devices may include removal of the device from the learning environment.

SCHOOL WIDE SUPPORTS

- ☺ Student Support Team (formerly know as Learning Resource)
 - In-class help
 - Test and exam support
 - Alternate learning environment
- ☺ English Language Learner Support Team
 - Lunch-time help
 - Test and exam support
- ☺ Math lunch-time help
- ☺ Math Homework Help – on-line support
- ☺ Information via school website @ <http://schools.hwdsb.on.ca/glendale/>
- ☺ School wide access to password protected wireless network
 - Access to on-line resources
- ☺ Literacy Coaching
- ☺ Literacy @ Lunch
- ☺ Learning Commons @ Lunch
- ☺ Paper and electronic calendars
- ☺ Teacher/department Lunch-time/before/after school help

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I am aware of the course expectations and the policies and supports put in place for the student to be successful.

Student's Name: _____

Teacher's Name: Mr. S. Lees

Contact Number: 905-560-7343 ext. 538

Department Head Name: Ms. K. Ciprietti

Contact Number: 905-560-7343 ext. 259

Parent/ Guardian Signature: _____

Date: _____

Student Signature: _____

Date: _____
