

SOUTH CARLETON HIGH SCHOOL
Ottawa-Carleton District School Board
 STUDENT OUTLINE
TTJ2O
 Transportation Technology
 Grade 10

Credit Value: 1.0

Hours: 110

Prerequisite: none

Course Overview

This course introduces students to the service and maintenance of vehicles, aircraft, and/or watercraft. Students will develop knowledge and skills related to the construction and operation of vehicle/craft systems and learn maintenance and repair techniques. Student projects may include the construction of a self-propelled vehicle or craft, engine service, tire/wheel service, electrical/battery service, and proper body care. Students will develop an awareness of related environmental and societal issues, and will explore secondary and postsecondary pathways leading to careers in the transportation industry.

Specific Expectations

Unit Title	Specific Expectations
A. TRANSPORTATION TECHNOLOGY FUNDAMENTALS	A1. Understanding engines; A2. Understanding drivetrains; A3. Understanding major systems; A4. Technological and mathematical literacy;
B. TRANSPORTATION TECHNOLOGY SKILLS	B1. Design and Fabrication; B2. Maintenance and Repair Techniques; B3. Basic Service of Vehicle and/or Craft Systems and Components; B4. Care and Maintenance of Vehicles and/or Craft.
C. TECHNOLOGY, THE ENVIRONMENT, AND SOCIETY	C1. Technology and the Environment C2. Technology and Society
D. PROFESSIONAL PRACTICE AND CAREER OPPORTUNITIES	D1. Health and Safety; D2. Career Opportunities.

Accommodations for Exceptional Students

The technology department makes every effort to accommodate the identified needs of exceptional (IPRC'd) students and will attempt to differentiate curriculum delivery methods, student modes of expression, and assessment methods as recommended by the student's individual education plan (IEP).

Teaching Strategies

Units are activity based. Teacher demonstrates and research activities provide the students with the necessary terminology and methodology to complete the activities. Classroom discussions, collaborative and co-operative learning, research, report writing and taking notes will assist students in meeting the course expectations. Upon completion of this course, students will demonstrate the ability to apply skills and knowledge to practical situations that involve the completion of work assignments and problem-solving activities. Students will be expected to use the Internet to find resources for their projects.

Resources/Textbooks/Technological Integration

A series of in-house workbooks

Evaluation

Term Report	Final Report
<i>Students will be evaluated on the overall expectations listed above. Evaluations will cover a balance of Responsibility, Organization, Independent Work, Collaboration, Initiative and Self-Regulation.</i>	Term 70% Summative task(s) 30%
<i>Term 70%</i>	100%

Key Evaluation Dates:

Technological Studies summatives will come due within the school's Summative and Evaluation Period between January 6th and 31st and June 8th to June 30th

Absence from evaluations during these dates must be substantiated with a medical certificate or equivalent documentation as approved by administration.

Classroom Management

Due to the nature of the technology classroom, no food or beverages, jackets or bags can be allowed. Adherence to school Internet use policy will be strictly enforced. Noncompliance will result in the removal of computer privileges for the students for an indeterminate period of time.

More information on South Carleton High School's policy on Assessment and Evaluation and on Academic Integrity can be accessed on our school website www.southcarleton.ca