

SOUTH CARLETON HIGH SCHOOL
Ottawa-Carleton District School Board
 STUDENT OUTLINE
TAS10
 Technology and the Skilled Trades
 Grade 9

Credit Value: 1.0

Hours: 110

Prerequisite: none

Course Overview

This hands-on course enables students to further explore the engineering design process and develop other technological knowledge and skills introduced in earlier grades. Students will design and safely create prototypes, products, and/or services, working with tools and technologies from various industries. As students develop their projects to address real-life problems, they will apply technological concepts such as precision measurement, as well as health and safety standards. Students will begin to explore job skills programs and education and training pathways, including skilled trades, that can lead to a variety of careers.

Expectations

Unit Title	Overall Expectations
Technology Fundamentals	A1. demonstrate an understanding of the fundamental concepts and skills required in the planning and development of a product or service, including the use of a design process and/or other problem-solving processes and techniques; A2. demonstrate the ability to use a variety of appropriate methods to communicate ideas and solutions; A3. evaluate products or services in relation to specifications, user requirements, and operating conditions.
Technological Skills	B1. use problem-solving processes and project-management strategies in the planning and fabrication of a product or delivery of a service; B2. fabricate products or deliver services, using a variety of resources.
Technology, the Environment and Society	C1. demonstrate an awareness of the effects of various technologies on the environment; C2. demonstrate an awareness of how various technologies affect society, as well as how society influences technological developments.
Professional Practice and Career Opportunities	D1. follow safe practices and procedures when using materials, tools, and equipment; D2. identify careers in various technological fields, and describe the educational requirements for them.

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 demonstration 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.

Resources/Textbooks/Technological Integration

A series of in-house workbooks

Evaluation

Term Report	Final Report
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.	Term 70% Summative task(s) 30% 100%
Key Evaluation Dates: Technological Studies summatives will come due within the school's Summative and Evaluation Period between January 8th and 31st and June 4th to June 26th. 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