

SOUTH CARLETON HIGH SCHOOL
Ottawa-Carleton District School Board
 STUDENT OUTLINE
TWJ 4E
 Custom Woodworking
 Grade 12

Credit Value: 1.0

Hours: 110

Prerequisite: none

Course Overview

This course enables students to further develop knowledge and skills related to the planning, design, and construction of residential and/or commercial cabinets and furniture. Students will gain further experience in the safe use of common woodworking materials, tools, equipment, finishes, and hardware, and will learn about the entrepreneurial skills needed to establish and operate a custom woodworking business. Students will also expand their awareness of health and safety issues and environmental and societal issues related to woodworking, and will explore career opportunities that may be pursued directly after graduation.

Specific Expectations

Unit Title	Specific Expectations
A. CUSTOM WOODWORKING FUNDAMENTALS	A1. describe the features and applications of materials and processes used in custom woodworking; A2. demonstrate an understanding and safe use of tools, equipment, and techniques for custom woodworking; A3. use correct terminology to describe woodworking materials, tools, equipment, processes, and related concepts
B. DESIGN, LAYOUT, AND PLANNING SKILLS	B1. apply a design process and other problem-solving processes and techniques when planning a variety of woodworking projects, taking into account design principles, safety standards, and other relevant factors; B2. prepare and interpret sketches and/or working drawings for a variety of woodworking projects; B3. plan efficient and effective fabrication and assembly of residential and/or commercial woodworking projects; B4. apply the mathematical skills required in the design and construction of woodworking projects.
C. FABRICATION, ASSEMBLY, AND FINISHING SKILLS	C1. fabricate and assemble residential and/or commercial custom woodworking projects safely, accurately, and efficiently; C2. prepare surfaces and apply finishing products, trim, and hardware correctly and safely.
D. TECHNOLOGY, THE ENVIRONMENT, AND SOCIETY	D1. demonstrate an understanding of the environmental effects of the woodworking industry, and ways of reducing harmful effects; D2. demonstrate an understanding of how the woodworking industry and society affect each other

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%
<i>Term</i>	Summative task(s)	30%
<i>70%</i>		100%

Key Evaluation Dates:

Technological Studies summative will come due within the school's Summative and Evaluation Period between January and June to June.

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