

SOUTH CARLETON HIGH SCHOOL
Ottawa-Carleton District School Board
 STUDENT OUTLINE
TWJ 3E
 Custom Woodworking
 Grade 11

Credit Value: 1.0

Hours: 110

Prerequisite: none

Course Overview

This course enables students to develop knowledge and skills related to cabinet making and furniture making. Students will gain practical experience using a variety of the materials, tools, equipment, and joinery techniques associated with custom woodworking. Students will learn to create and interpret technical drawings and will plan, design, and fabricate projects. They will also develop an awareness of environmental and societal issues related to the woodworking industry, and will explore apprenticeships, postsecondary training, and career opportunities in the field 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. describe woodworking tools, equipment, and techniques, and use them safely; A3. use correct terminology related to woodworking and the materials, tools, equipment, and processes involved. |
| B. DESIGN, LAYOUT, AND PLANNING SKILLS | B1. apply a design process and/or other problem-solving processes and techniques when planning a variety of woodworking projects, taking into account relevant design principles and safety standards; B2. produce and interpret sketches and/or working drawings for a variety of woodworking projects; B3. plan efficient and effective fabrication and assembly of the components of 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 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. describe 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% Summative task(s) 30% |
| <i>Term</i> 70% | 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 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