

Woodwork 8

OBJECTIVE

The main objective of these course is to introduce students to the following:

- Curricular competencies: applied design (understanding context, defining, ideating, prototyping, testing, making, and sharing), applied skills, & applied technologies.
- Basic woodwork
- Concept of “Big Ideas”, which is essentially the big conceptual things that students should understand upon completion of the course.

The course is a short sampler course. It will familiarize students with working in a shop environment allowing them to make more informed decisions about electives in future years. At the end of this course, students are expected to:

- Safely use a variety of machines and tools specific to her/his project
- Be familiar with both the Metric and Imperial measuring systems
- Be familiar with sketching, planning, and technical drawings as it relates to wood manufacturing
- Identify a variety of wood types as well as connection techniques
- Understand reclamation, repurposing and reuse of woods
- Understand historical, traditional, non-traditional and current contexts for woodworking
- Gain self confidence and experience working in an industrial setting

COURSE CONTENT (Woodwork) – (Hours are approximate)

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| • Shop rules and orientation | 2hrs |
| • Assignments and quizzes | 6hrs |
| • Measurement (Imperial/Metric) | 6hrs |
| • Planning, sketching, drawing techniques | 6hrs |
| • Machine and tool safety | 10hrs |
| • Skill building projects | 30hrs |

COURSE COSTS

As per the policy laid out by the Surrey School District, there is no course fee charged for this course. Students will be provided with basic materials and supplies in order to meet the Ministry’s Prescribed Learning Outcomes. It must be emphasized that these materials are very basic in nature.

SKILL BUILDING PROJECTS

These skill building projects are designed to give students an opportunity to acquaint themselves with the wood shop machines and processes. Students are expected to demonstrate the safe use of the following machines: Band saws, scroll saws, power sanders (spindle, belt & disc), drill press. Students will also be able to use a variety of hand tools & portable power tools. This semester's skill building projects may include:

- Gumball machines
- Wood puzzles
- Wooden Toys

ALL PROJECTS ARE DUE: Last day of term or as specified

EVALUATION

Students will be evaluated using the following break down:

Course Evaluation

Skill Building Projects -	70%
Active Learning & Safe Shop Procedures	20%
Assignments & Quizzes	10%

Project Evaluation

Evaluation differs from project to project. Students will be given an evaluation sheet with each project.

MATERIALS

Students should bring to each class:

- 1) 3-ring duo-tang or binder
- 2) Pencil and eraser