

Woodwork 10

OBJECTIVE

The main objective of this course is to offer a combination of knowledge and “hands-on” skills that will prove valuable over a lifetime as well as opening doors to a variety of career options. The areas of focus will include a blending of safety, measurement, theory, tools and equipment, materials and processes with an emphasis on the fabrication of wood related products. Students will apply the acquired skills in the design and fabrication of teacher/student selected projects. At the end of this course, students will:

- Safely use a variety of machines and tools specific to her/his project
- Accurately measure in both the Metric and Imperial measuring systems
- Sketch, plan, and draw a full set of project plans as needed
- Calculate material costs using a Bill of Materials
- Identify a variety of wood types and select appropriate woods to use
- Gain self confidence and experience working in an industrial setting

COURSE CONTENT

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| • Shop rules and orientation | 1hrs |
| • Assignments and quizzes | 5hrs |
| • Measurement (Imperial/Metric) | 3hrs |
| • Planning, sketching, drawing techniques | 3hrs |
| • Material cost calculations | 3hrs |
| • Machine and tool safety | 15hrs |
| • Skill building projects | 75hrs |

****Projected hours are only an estimate****

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. Students who wish to enhance their learning may opt to purchase additional or alternate materials for their projects. These materials may be purchased through the school at district discounted pricing or can be brought in from home. Whether using the basic materials provided or additional

and enhanced materials, each student will be required to pay for all materials going home. If a student chooses not to keep their project they fabricated, there will be no charge.

Students who wish to take home their skill building projects will be assessed a charge of \$25.00 for materials and consumable items used in the manufacturing of the projects. Please pay online through the new online payment system @ PANORAMA RIDGE SECONDARY website.

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, miter saws, joiners, thickness planers, power sanders (spindle, belt & disc), shaper, drill press, mortiser, thickness sander, and router. Students will also be able to use a variety of wood working hand tools. This semester's skill building projects may include:

- Gumball machines
- Boxes
- Toys
- Chairs
- Door knockers
- Looney boards
- Choice Projects

****All assigned projects must be completed in order to pass the course****

ALL PROJECTS ARE DUE: Last day of Term

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 rubric with each project.

