

Woodwork 11/12 ; Carpentry & Joinery 11/12

OBJECTIVE

The main objective of these courses 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. For those students who have taken woodwork courses previously, there will be greater design and self-directed opportunities. The areas of focus will include: safety, measurement, tools and equipment, materials and processes. The emphasis will be on the construction and fabrication of wood related products. Students will apply the acquired skills to design/follow a prepared design and fabricate either teacher or 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 or follow 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
- Demonstrate curricular competencies: apply design (understanding context, defining, ideating, prototyping, testing, making, and sharing), apply skills, & apply technologies.
- Problem solve using ratio, proportion and geometry
- Select and identify various types of wood and wood products and fasteners
- Understand the Concept of “Big Ideas” as they relate to Woodwork, Carpentry & Joinery.

COURSE CONTENT

- 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 \$40.00 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, table saws, joiners, thickness planers, power sanders (spindle, belt & disc), drill press, mortiser, and router. Students will also be able to use a variety of woodworking hand tools. The courses' skill building projects may include:

- Framed model cabin
- Chairs
- Lamps
- End Table
- Key Cabinet
- Choice Projects

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

ALL PROJETS 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.

WOOD SHOP RULES & GUIDELINES

1. Be considerate, respectful, and a good role model for other students. The “Golden Rule” for the shop/classroom is: Treat people the way you would like to be treated in return.
2. Respect and follow all safety rules and procedures as discussed/demonstrated.
3. Inappropriate language and inappropriate conversations will not be tolerated. Think before you speak!
4. Phone use is not permitted during class.
5. Eating and drinking is not permitted during class. Water is permitted.
6. You must ask permission before leaving the shop/classroom.
7. Respect and take care of the tools, machinery, equipment and shop supplies.
8. Respect other peoples’ property and projects. Do not touch anything that’s not yours.
9. You’re expected to be in class on time. Don’t annoy your teacher by being late.
10. If you are going to be absent from class, please inform your teacher. Also, please remind your parent or guardian to contact the school to record an excused absence.
11. ALL students are expected to help clean-up when asked to do so.
12. Extra help and extra shop time may be required for some students. Please contact your teacher at any time if you require extra help or extra shop time.
13. Respect and follow the school’s Code of Conduct: a) Respect Yourself & Others; b) Respect the Environment; c) Respect Learning
14. Safety in the shop is our #1 priority. All students will work in a safe manner as described and demonstrated or lose their shop privileges. If you have any doubts or do not understand the instructions that are given, DO NOT HESITATE, JUST ASK THE TEACHER.
15. ATTENDANCE MATTERS; “Half of success is just showing up!”