

# WOOD TECHNOLOGY 9

## COURSE OUTLINE

### COURSE OBJECTIVE:

The main course objective is to have students practise the safe and proper use of hand tools, power tools and machinery commonly found in woodwork shops. By the end of this course the student should be comfortable in using machinery and have the basic processes needed to continue on in the woodworking field or to use these skills to enhance their ability to create projects for other subject areas with confidence.

### RESPONSIBILITY OF THE STUDENT:

- 1) Always show responsibility and maturity while operating in the shop. Unsafe or foolish behaviour is unacceptable and could result in removal from the class.
- 2) Treat tools carefully so that they will always work properly for you and for others.
- 3) If an accident occurs report it to the teacher immediately.
- 4) If a tool or machine is broken report it to the teacher immediately.
- 5) If you are ever in doubt, ask the teacher.
- 6) If a student is absent, it is his/her responsibility to make-up missed work. All materials and assignments can be found here [Makerspace.lsfeldschool.com](http://Makerspace.lsfeldschool.com)
- 7) You will need a NOTEBOOK, PENCIL and ear buds (NOT your cell phone) for most classes.

### ASSIGNMENTS/PROJECTS:

#### 1) Laminated Project

This project will be designed by the student using 3D software called Inventor and then is will be made, giving the student their first experience with the procedures and processes of using large machinery (jointer, planer, table saw, mitre saw) in the woodwork shop. This project **MUST** include the use of the Laser Engraver or CNC Router.

#### 2) Side Table Project

Students will have the opportunity to construct a project with multiple pieces using proper woodworking techniques. The project will be designed in 3D on the computer to suit the student's needs. This project will make up a significant part of their term mark. It **MUST** be finished by term end to pass the course.

## **THEORY:**

This is an integral part of the course if a student wishes to be successful. Although less time is spent on theory work, students should be aware that it is still a very important part of the course. The theory portion mark consists of;

- 1) Safety Quizzes - Given to ALL students before they can use a machine. They MUST achieve 80% or better before they can use the machine.
- 2) Daily Demos - Daily demo on tools, safety, etc will be give throughout the course. Daily demos could be quizzed on.
- 3) Assignments - Given throughout the year for reinforcement of key concepts in the course.

## **MATERIALS and FEES**

The range is cost of wood is significant. Because of this, students using wood other than the base materials will need to pay the additional costs. This cost could range from an additional \$5 to \$40 depending on the type of wood used. Please refer to the website about material costs.

## **CLEANUP**

Cleanup is called about 5 minutes prior to the end of the class. It is important that all students put away their own equipment. No student is permitted to open the door or leave until all the tools are accounted for. When the teacher is satisfied with the cleanup, you will be dismissed.

## **COURSE EVALUATION**

Assignments/Projects	80%
Theory	20%