

WOOD TECHNOLOGY 10 (Level 2)

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 confident 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
- 7) You will need a NOTEBOOK, PENCIL and ear buds (NOT your cell phone) for most classes.

ASSIGNMENTS/PROJECTS:

1) CNC Router Sign

Students will use V-Carve to design and then CNC a sign. This is student designed and can be made of various materials, stained or painted.

2) Small Jewellery Box

This project is to be designed by the student in 3D using Inventor. Once designed, the student will make the project which is a refresher when it comes to fine woodworking and a taste of more intricate joinery.

3) Stool, Chair, bench Project

Students will have the opportunity to construct a project with multiple pieces using proper woodworking techniques. It will first be designed in 3D to suit the student's needs. Once designed, the student will build it. 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%