



Woodwork 11/12

COURSE OUTLINE

COURSE OBJECTIVE:

The objective of this course is to further students' hands-on skills in woodworking. Students will walk away with an understanding of taking wood from its raw form and being creative with it to form a variety of different types of projects with it, the importance of safety while working in a shop and a set of hands-on skills with tools that can be used for the rest of their lives. This course is hands on!!

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 or not sure about something, 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 learn71.ca/highland-wood-tech/
- 7) You will need a PENCIL and ear buds (NOT your cell phone) for many classes.

ASSIGNMENTS/PROJECTS:

- 1) Drawing with Vcarve & CNC Routing

Students will begin the course working in Vcarve and CNC routing a small project out of plywood.

- 2) Drawing projects with Fusion

Students will complete a series of tutorials meant to familiarize them with this software and how to use it to draw their projects in 3D, produce sets of plans and export out parts to a laser cutter.

- 3) Small Woodworking refresher project

A small project that is meant to get students back working on the machinery and involves the cnc and/or laser.

4) Major Project in Woodworking/Carpentry/Maker

This project is to be designed by the student. Depending on skill level and experience this project will vary in complexity and size based on the student's ability and interest. This could also be a collection of smaller projects. The teacher and students will discuss project options in class.

MATERIALS and FEES

The range in 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 ten to hundreds of dollars depending on the type of wood used and size of the project. Please refer to the website about material costs.

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. You **MUST** achieve 100% on the test and have watched the teacher demo before using the machine.
- 2) Daily Demos - Daily demo on tools, safety, etc will be given throughout the course. Daily demos could be quizzed on.
- 3) Assign/Quiz - Given throughout the year for reinforcement of key concepts in the course.

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

Projects	80%
Theory	20%