



Woodwork 8

COURSE OUTLINE

COURSE OBJECTIVE:

The main objective of this course is to have students learn to make things using a variety of tools and equipment. Students will use several machines (drill press, scroll saw, band saw, Belt sander, spindle sander) as well as different pieces of software and a laser engraver. This introduction to the tools and equipment can then be used for project based assignments for other classes. This is a project-based course.

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

ASSIGNMENTS/PROJECTS:

- 1) Laser Engraved fridge magnet – Students will learn to use the laser engraver and create a simple engraved project.
- 2) LED Lantern – Students will use Inkscape to design a lantern that will be laser cut. Once the lantern is complete, the students will put an LED flickering candle inside it to make it glow.
- 3) Gumball Machine – Students will design and then make a gumball machine out of wood.
- 4) Extra projects – the teacher and students will discuss as the class progresses.

SHOP SAFETY

Safety in a shop and the proper use of tools is a very important part of this course. Therefore, a number of demonstrations, quizzes and tests will be given throughout the course to ensure the proper and safe use of tools.