

Introduction to ShopBot-based CNC woodworking at TechShop Durham Create a Birdhouse (Kid & Adult pairs)

- * Kids: Are you looking for some quality time with your Adult?
- * Are you interested in using a computer to design projects, and then have the computer control a woodworking machine to cut out the parts?
- * Do you want to try a shorter class to see if you are ready for a longer project?



Project-based training at TechShop Durham

We'll use the creation of a birdhouse to:
Introduce PartWorks CAD/CAM software
Introduce the ShopBot CNC router

The “Kids (aged 10 – 15) and their Adults” class will spend a limited time with the CAD/CAM software, and cut out the part of their birdhouse that they have customized. Part of the class time is reserved for assembling the birdhouses from parts that have been cut in advance.

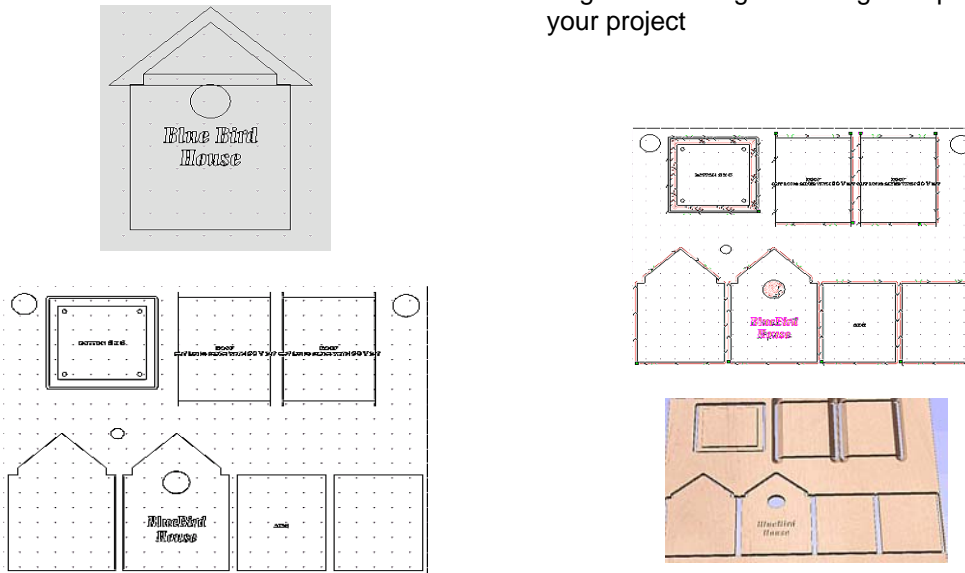


Here's how it works:

1) Use PartWorks software to draw your ideas on the computer
(Computer-Aided Design)

2) Use PartWorks software to tell the computer how to cut out the designs
(Computer-Aided Machining)

Engrave lettering and designs to personalize your project



Use ShopBot Control software to prep the ShopBot for cutting, and Cut out the parts
Along the way, we'll discuss **Hold down, Router Bits, Safety**

At the end of the class, you'll go home with a birdhouse, and a basic knowledge of the ideas behind Computer-Aided Design and Computer-Aided Machining software.

Duration: 3 hours

Class Limit: 3 kid & adult pairs. Adults must accompany child during the class.

Cost: Instruction: \$90 per kid & adult pairs Material: \$10

The ShopBot SBU is not available with this class.

For this training, TechShop Durham will provide bits and material for cutting.