

Introduction to ShopBot-based CNC woodworking at TechShop Durham

Creating a small bookshelf

- * Have you ever wanted to cut a circle or an arch without creating a jig?
- * Are you interested in making really accurate cuts, again and again?
- * Have you been wondering about how computer-numerically-controlled (CNC) woodworking works?

Come to the project-based training at TechShop Durham

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

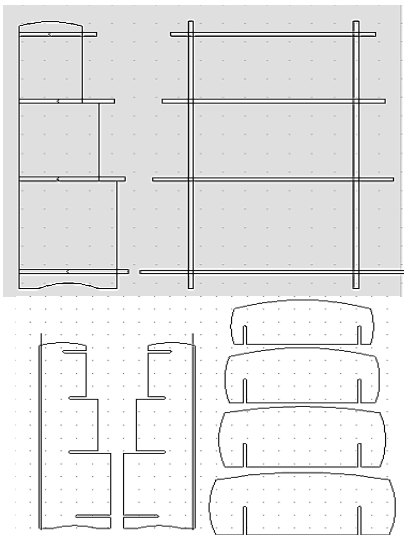
What makes this bookcase special?

- It slides together with no fasteners
 - It can be customized to suit your décor and size of books/display
- Bookcase in photo was designed and cut out at TechShop

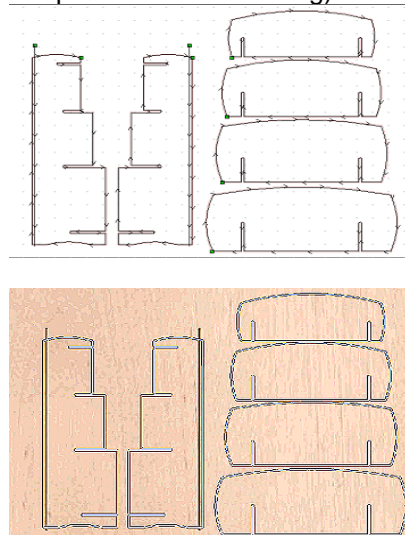


Here's how it works:

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)



3) Use ShopBot Control software to prep the ShopBot for cutting, then Cut out the parts

Along the way, we'll discuss **Hold down, Router bits and Safety**

At the end of the class, you'll go home with a small bookshelf, and the basic knowledge to run the ShopBot to create your own projects.

Duration: 4 hours

Class Limit: 4

Cost: Instruction: \$120 Material: \$30

The ShopBot SBU is not included in the Bird House project class, but you can add it for an extra half hour and \$15.

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