

Introduction to ShopBot-based CNC woodworking at the Durham TechShop:Game Time

The holidays are coming up, and it's time to think about gifts. What about making some board games for those on your gift list?

Come to the project-based training at the Durham TechShop

We'll use the creation of board games to:

Introduce PartWorks CAD/CAM software

Introduce the ShopBot CNC router

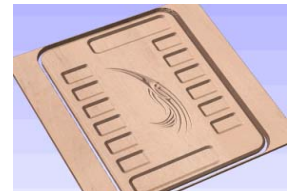
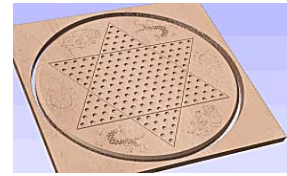
(This class will focus on getting the projects cut out rather than designing from scratch)

Here's how it works:

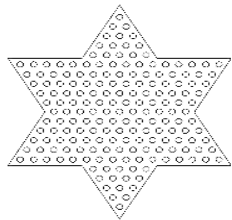
1) Use PartWorks software to draw your ideas on the computer (Computer-Aided Design). You can also import Clipart or dxf files.

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

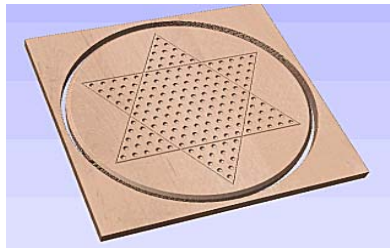
Engrave lettering and clip art to personalize your project
Create pockets and marble dimples



Chinese Checkers



Draw in PartWorks

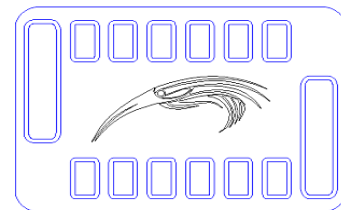


Simulate Cut

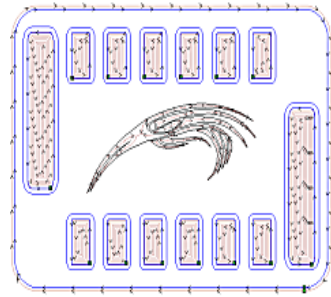


Add Clip Art to project

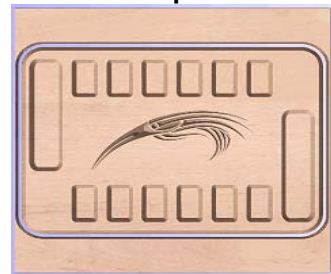
Mancala



Draw and import clip art



Toolpath



Simulate project before cutting

3) 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 board game, and the basic knowledge to run the ShopBot to create your own projects. The ShopBot SBU is included in this class.

Duration: 4 hours

Cost: Instruction: \$120 Material: You can bring your own (at least 12" square) or purchase from TechShop or the Instructor. \$10/board game.

For this training, bits will be provided by TechShop or Instructor.