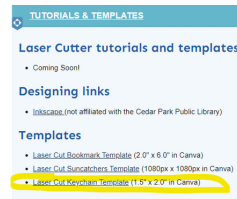


Follow the steps below to make your own laser engraved bookend!  
This is an intermediate activity for ages 13 and above.

### Supplies:

- Basswood
- \*Canva
- Wood glue
- Creativity & Fun

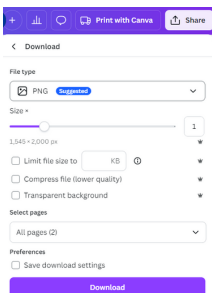
### Step 1: Design the bookend



Go to the CPPL Makerspace site and make a copy of the Laser Engraved Bookend file (on laser cutter page). You will need a Canva account.

Title your design with your name. Add black & white designs & text onto the bookend.

### Step 2: Export the file

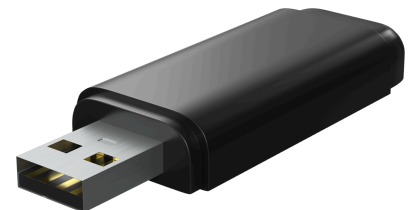


Click Share.  
Choose to download as a PNG>



Go to [picsvg.com](https://picsvg.com). Upload your file. Change the setting to your favorite and download.

### Step 3: Send the file

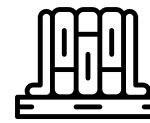


We will upload your new file to a USB. Please do not leave until we have yours saved. Title yours with your first and last name and bookend.

**Then proceed to the laser engraver when called upon for the next step.**

**Use wood glue to glue bookends together. Hold in place with tape until dry.**





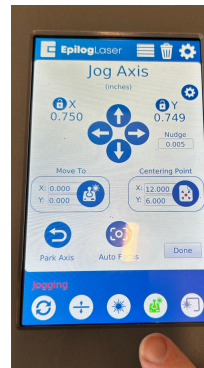
Follow the steps below while using the laser cutting and engraving machine

### Step 1: Prep the materials



Open laser lid.  
Place material  
piece against top  
left corner. You  
may need to tape.

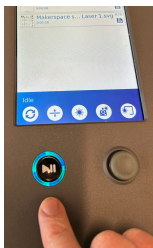
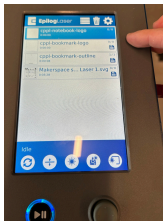
### Step 2: Focus the laser



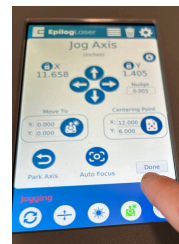
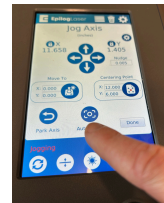
On screen, click on  
4th button. Move  
joystick so red dot is  
over where you're  
cutting



### Step 3: Engraving/Cutting



Click on the 3  
lines. Then, click  
on  
“[NameMap]”.  
Press the play  
button.



Click on  
autofocus.  
Then, press  
done when it  
is complete



**Watch the laser to ensure it is cutting  
safely. When it finishes, it will beep.  
Open the lid and remove items.**

