

# Makerspace & Digital Lab

At the MCDL Virginia Wheeler Martin Family History & Learning Center

## Holiday Head Start: Family Recipe Cutting Board

### Supplies Needed:

- Cutting Board
- Family Recipe Card

### Supplies Provided:

- Laser Engraver
- CorelDraw Software
- Flatbed Scanner

### Appointment:

Call 330-725-0588 x5017 to schedule an appointment with the **Laser Engraver**.

\*Let us know if you need to scan your recipe card and we'll also schedule you for our **Flatbed Scanner**.

### Step by Step Instructions:

#### Flatbed Scanner in Digital Lab

*If image is already scanned, skip to "CorelDraw in Makerspace".*

Step 1- Open Epson Scanner from desktop.

Step 2- Set settings to: Original>Reflective - Document Table - Photo  
Destination>8-bit Grayscale - 300 resolution

Step 3- Click Preview>select image>click Scan

Step 4- Change destination folder to flash drive>format to jpg>click OK

Step 5- If writing on the back, flip over card on glass and follow Steps 3 & 4.

#### CorelDraw in Makerspace

Step 1- Measure the vertical and horizontal length of your board.

Step 2- Open CorelDraw and select **File** -> **New**. Use the measurements of your object as the height and width of your workspace.

Step 3- Plug in your flash drive or log into your email where you have your selected image. If through email ... download your file.

Step 4- Import your image file into CorelDraw.

Step 5- Convert Image to Black & White by selecting Edit Bitmap.

Step 6- Select Images > Convert to B/W > Conversion method > Line Art > Thresholds > abt 192 – image should be readable.

Step 7- Make image Line Art by selecting Trace Bit Map > Outline Trace > Line Art.

Step 8- Select Delete Original and Remove All Color > Click OK.

Step 9- Size and move your image to where you want it on your board.

Step 10- Select **File** -> **Print** -> **Preferences**.

Step 11- Select **Advanced** and select Wood>Raster>300 dpi from the list of materials. Select **Load**.

Step 12- Go back to **General** and enter in your height and width.

Step 13- Select the dither drop down and click Jarvis. Make sure the Auto Focus and Center Engrave or not checked. Select **Okay** -> **Apply** -> **Print**.

### **Laser Set up**

Step 1- Use the switch on the wall to the right of the laser to turn it on.

Step 2- Once the Laser has fully turned on unlock the arm (X/Y).

Step 5- Focus the laser to your object.

Step 6- Use the red light to set the tool head to the top left corner of your object.

Step 7- Lock the laser in place but hitting the home button.

Step 9- When you are ready to engrave close the glass door and hit the green go button.