

# Workshop 7 - Laser Cutting - Adobe illustrator

Friday 15th November

## Laser Cutting

For this workshop we were asked to make a quick design in Fusion 360. This would be for us to laser cut.



A simple design was made and then saved as a DXF file and sent to OneDrive. The next step was to open adobe illustrator on the laser printer computer and open the file. Specific setting must be used:

Scale 1 - 1 Millimeters

RGB RED 255

Top Tool bar 0.025

will fit on the object being cut. After this

- Then Print and open the laser printer software.

- Ensure the printer is on and the **laser has sufficient clearance** this way the laser wont get damaged.
- Make sure the fans are on.
- Move the image around so its physical counterpart is within the bounds of the laser cutting area.
- Move the laser through the software so the cut fits upon the object.
- Go to settings and choose the correct material type such and wood or plastic.
- Enter the thickness of the material and press OK (Do not press apply)
- Press large green button and start the laser cut.



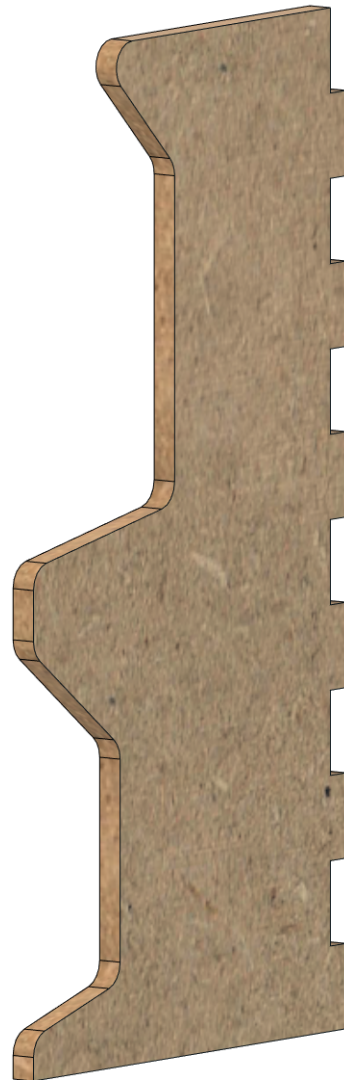
## Interlocking Components

Having simple interlocking pieces is both fast and affective use of laser cutting. This technique can be used for countless shapes and give a puzzle like element to figuring it out.



A hole was made on the back so it can be hanged upon a wall.

I hope to finish this miniture arcade cabinet and maybe have the screen play slide shows using a Pi Pico.



<https://prod-files-secure.s3.us-west-2.amazonaws.com/6d327d71-a800-4bb7-a305-2462de459e8c/92bec1aa-887d-4bf6-8eae-8f3fff7e7a27/20241115-1901-12.5417608.mp4>