#### Laser Cutting - Keychain

- Light Amplification by Stimulated Emission of Radiation
- Can be used for cutting and engraving
- Focussed light produces very fine cuts
- A 2-D Vector drawing is used as the cutting template and sent to the Laser cutter
- Cutting is based on
  - o Power of light
  - o Number of Pulses Per Minute
  - o How slow/fast the laser travels
- Carbon Dioxide Lasers (CO2) can cut paper, cardboard, wood, acrylic

#### Let's make a personalised keychain

Process:

- 1. Draw the design on paper
- 2. Create the design using Fusion 360
- 3. Convert the design to a 2D drawing and export it (DXF file)
- 4. Read the DXF file into the Laser Cutter System
- 5. Cut













# Other Examples to try



## **Other Project Ideas**

Вох



## Simple Phone Stand





## Vertical Drip Irrigation System



## Raft Hydroponics System



