# Final Proposal

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For my final project I want to create a dice tray that I can use in my Dungeons & Dragons games. A dice tray is used to roll dice on a surface that does not harm the playing table or the dice.

## Sketches

A close up of text on a whiteboard

Description automatically generated

## Process

1. Design tray and lid in OnShape
2. 3D print attaching pieces
   1. Create test fitting for attachment pieces
3. Laser cut box pieces
   1. Create test fitting on spare wood
   2. Raster an image on lid piece
4. Assemble Pieces

## Timeline

|  |  |  |
| --- | --- | --- |
| **Date** | **Task** | **Contingency** |
| 5/3 | Sketch concept |  |
| 5/4 | Design wooden and 3D pieces in OnShape  Price Materials | Attend office hours to solve any problems with designs. |
| 5/5 | Do test fits  Print/Cutout Pieces  Assemble | Individual pieces should not take long to print. Re-print if necessary.  Move printing to 5/6 if machines are in use. |
| 5/6 | Documentation |  |

## Materials

|  |  |  |  |
| --- | --- | --- | --- |
| **Material** | **Source** | **Price** | **Notes** |
| Wood | Fluke |  | Purchased at Production |
| Filament | Fluke |  | Purchased at Production |