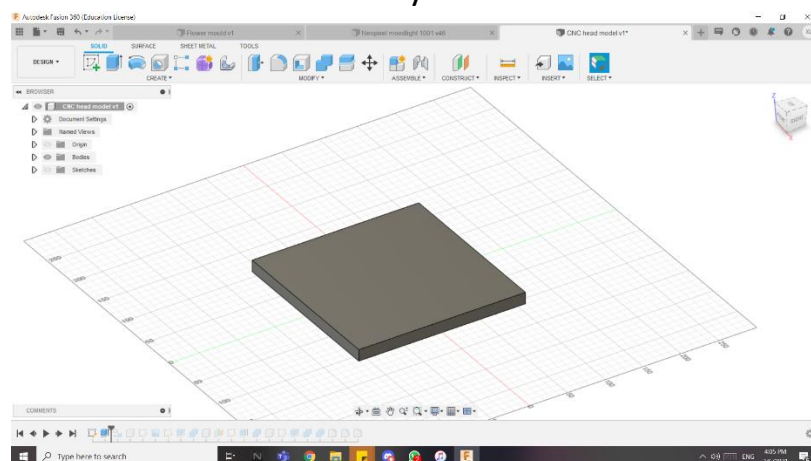# CNC Cut wooden Head stand
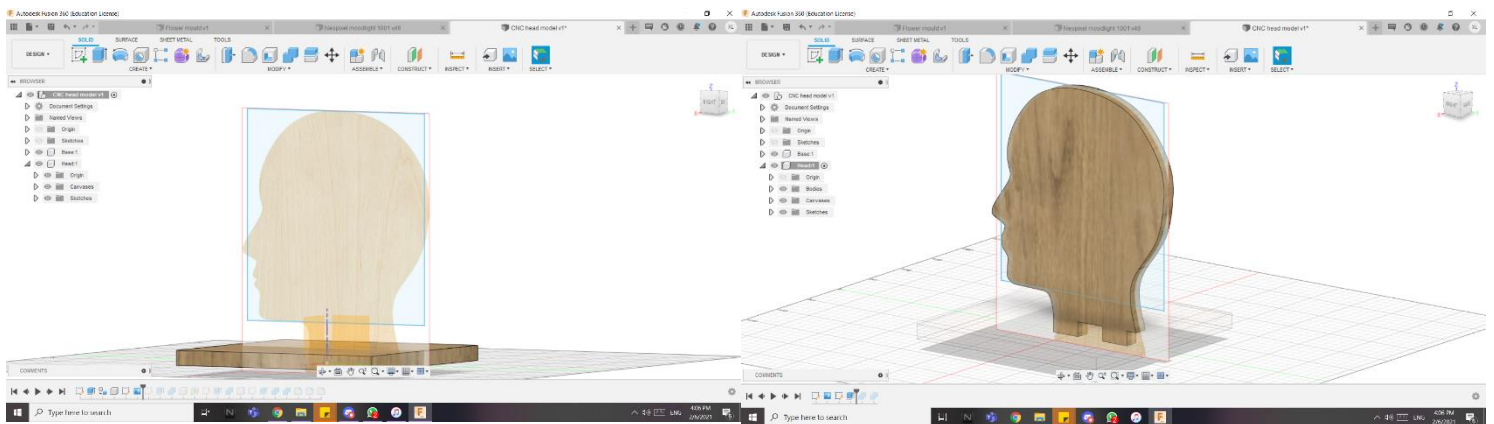

User Parameter

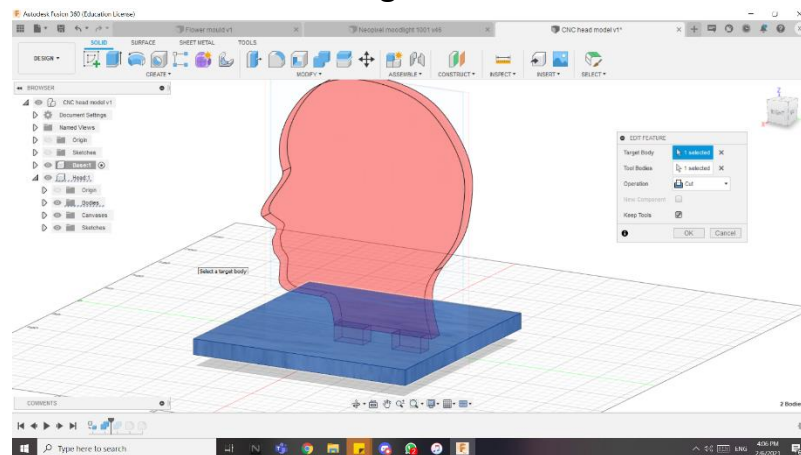- woodthickness = 15mm
- Tooldia = 6mm

1. Start of with creating a new component named "Base". Draw the base and extrude it by *woodthickness.*
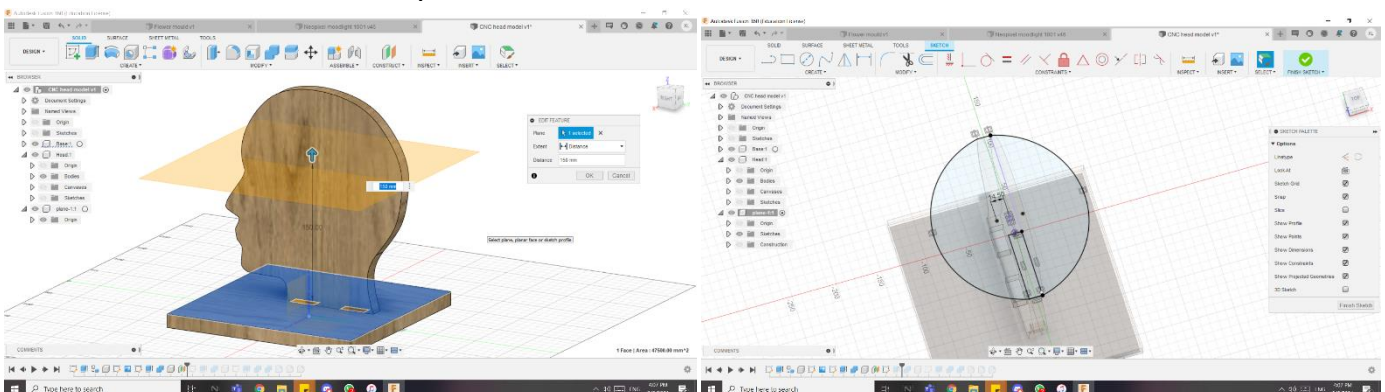
2. Create a new component "Head". Create a sketch plane in the center. Insert head profile canvas and trace it out. Add finger joints at the bottom. Extrude the drawing symmetrically of *woodthickness.*
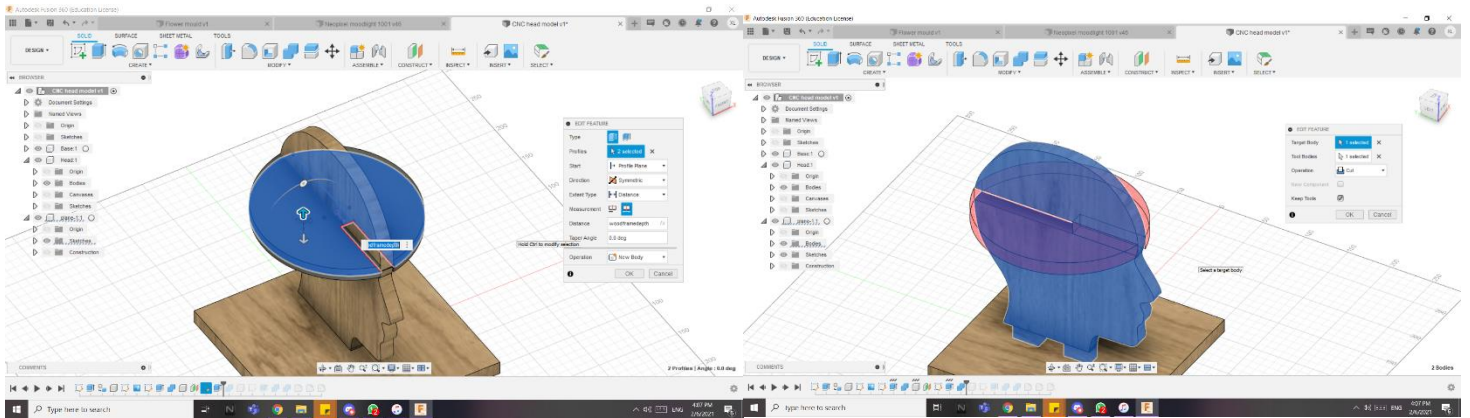

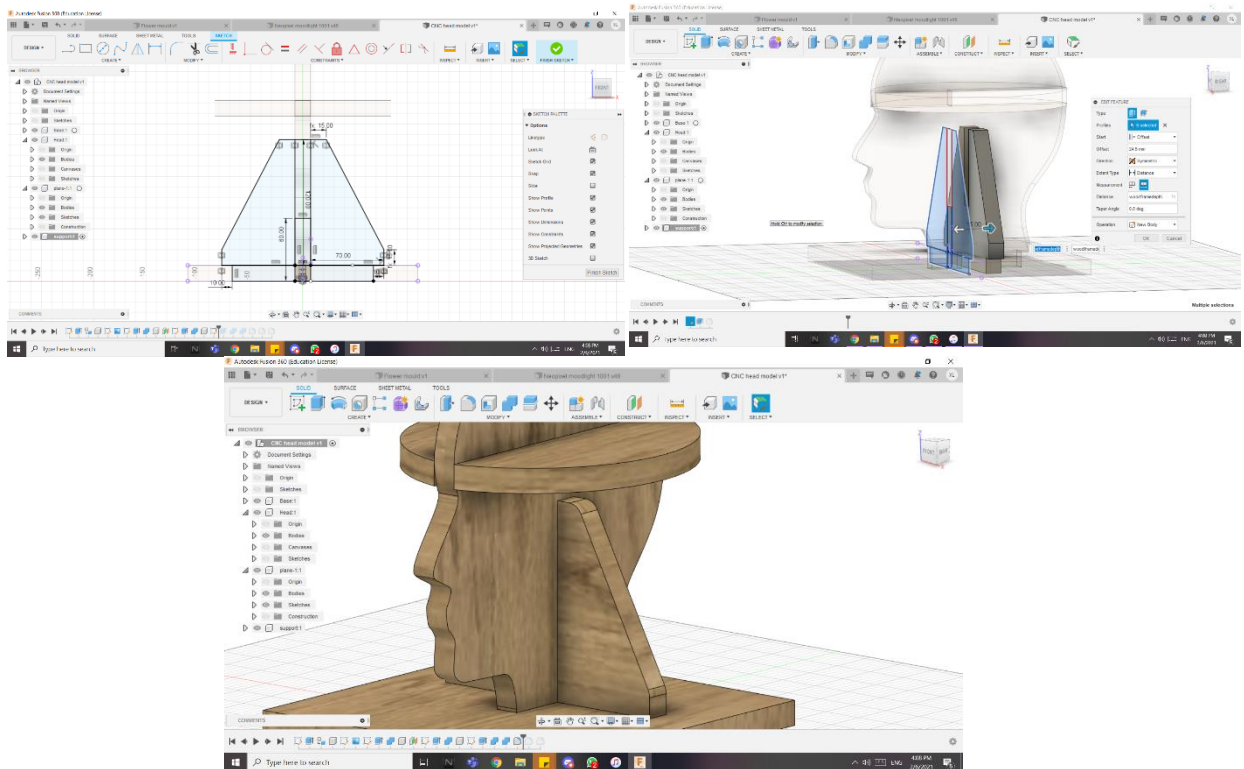3. Combine cut the base using the Head to cut out the slots*.*

4. For the plane, create a new component. Create an offset plane. Sketch a profile on the plane using arc and draw a rectangle in the center. Extrude the plane and use combine cut to create the slot in the head.
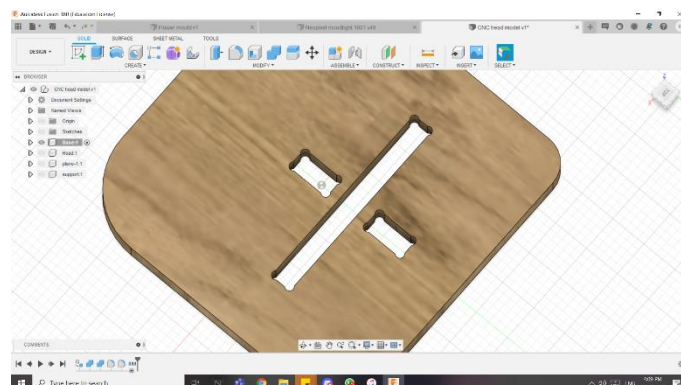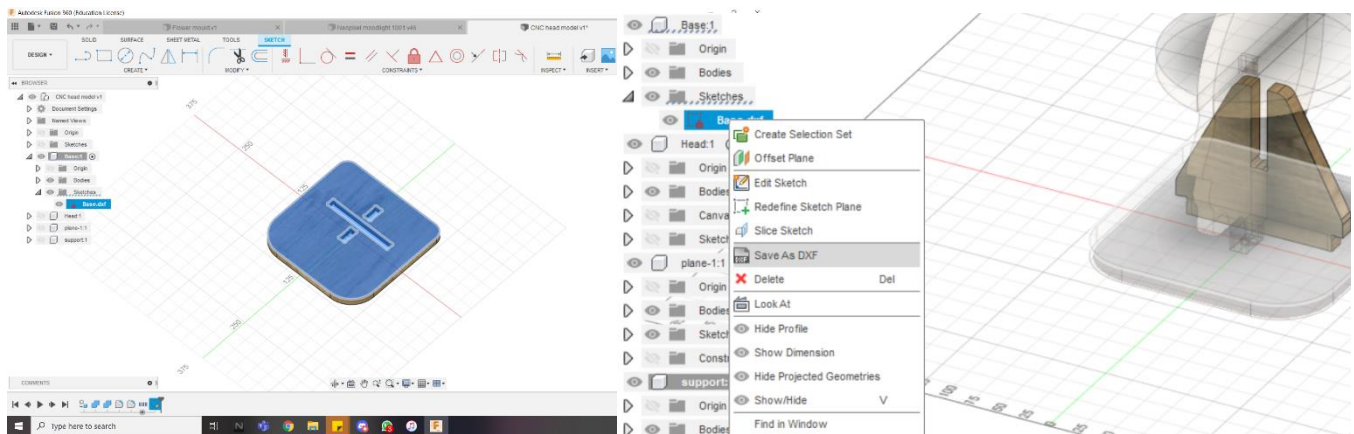
5. New component for the support: sketch, extrude and combine cut the base and head.

6. Create dogbones in the finger joints and slots.

7. Create and save the parts in .dxf

Exploded view