**What is CAD modelling**

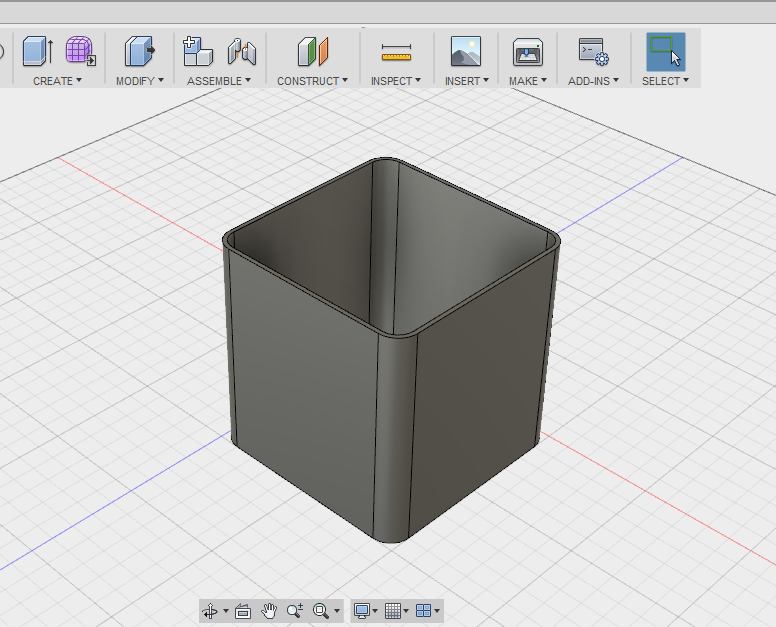
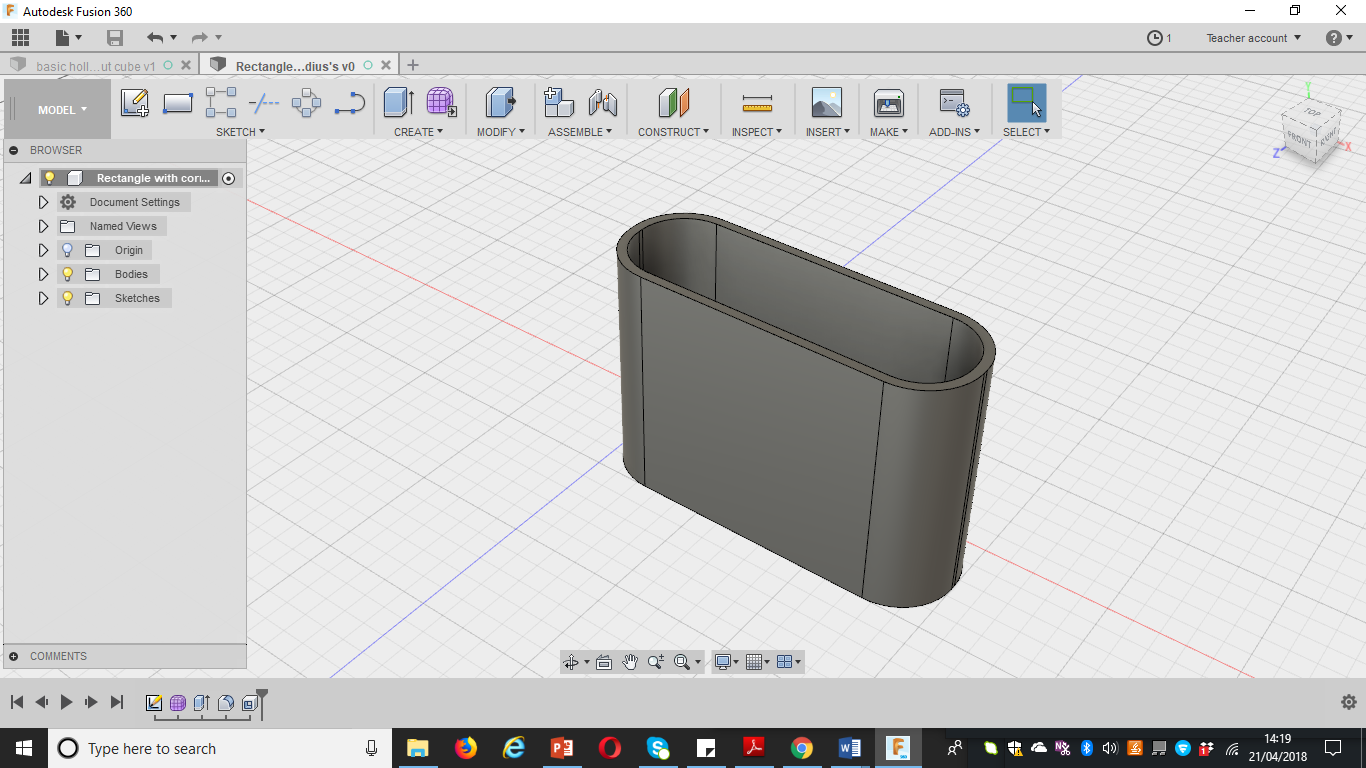
**Student worksheet**

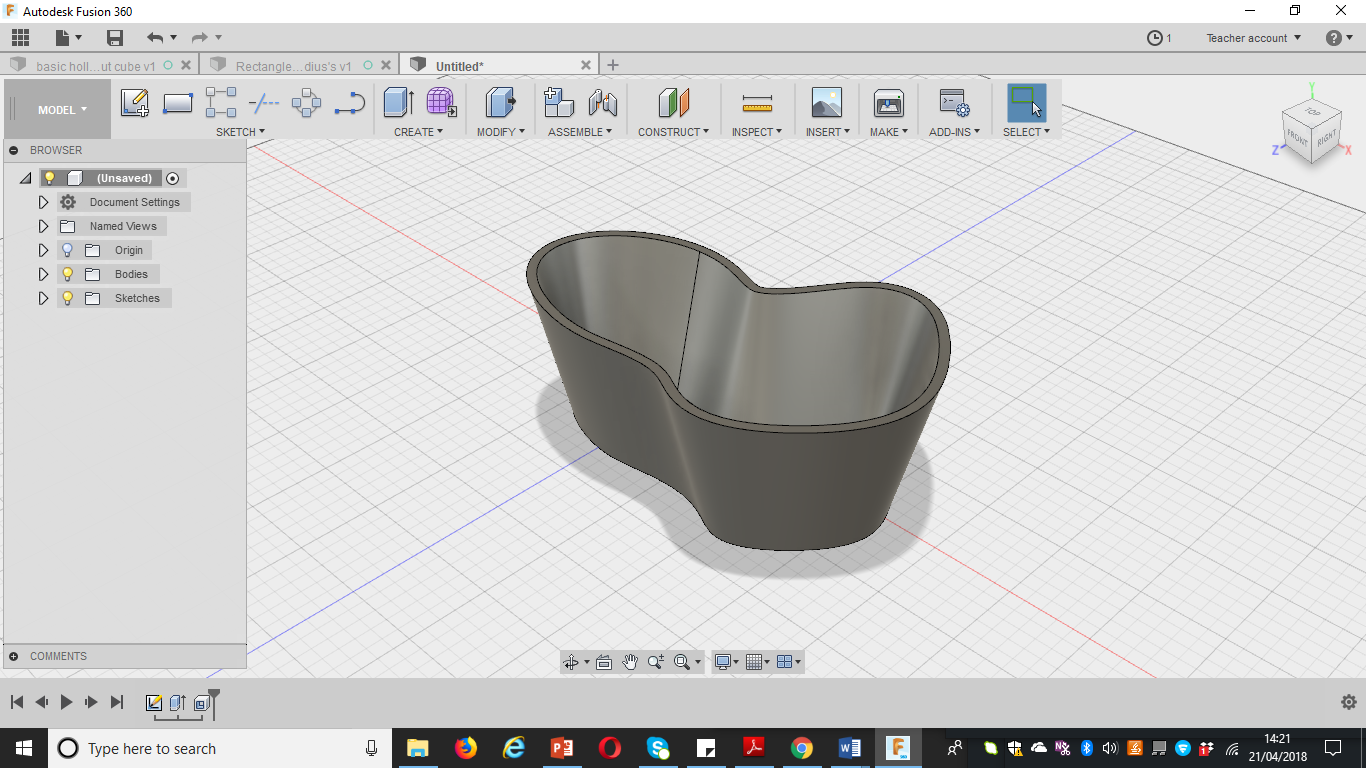
1. **What is the difference between 2D and 3D. Can you draw a 2D shape and then a 3D shape?**

3D shape

2D shape

1. Explain the difference between CAD and CAM.
2. Can you describe the advantages of using computers in the design process?
3. Fusion 360 challenge. Can you model these 3D shapes in Fusion 360?





This is sketched using a spline, then extruded with a taper angle, then shelled out. Keep the taper angle small to enable to shape to be modelled successfully. A taper angle that is too large will fail to generate.

**Plenary – What have you learnt today?**

**My objectives today were?**

**Describe the difference between 2D and 3D and explain three features that you have learnt today on Fusion 360?**