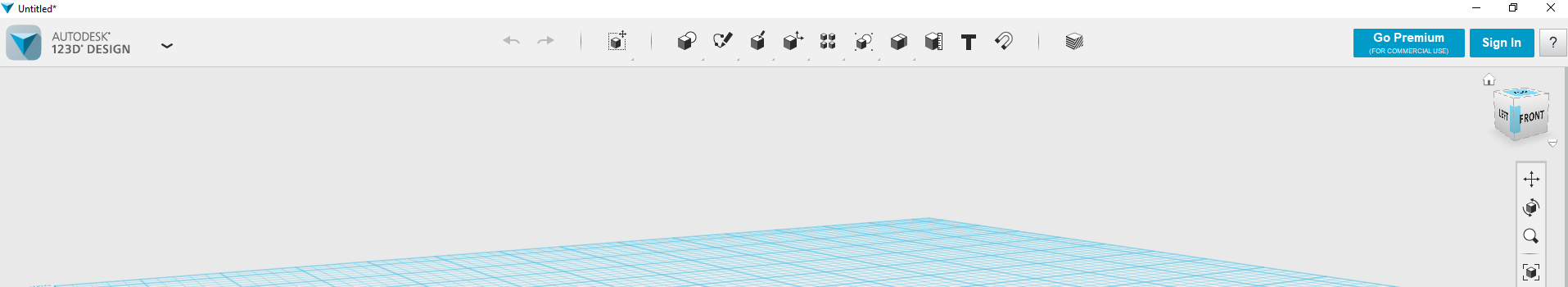
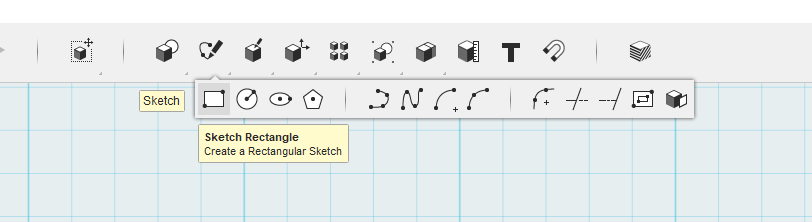
## Lesson 25 – Keyring Activity Sheet

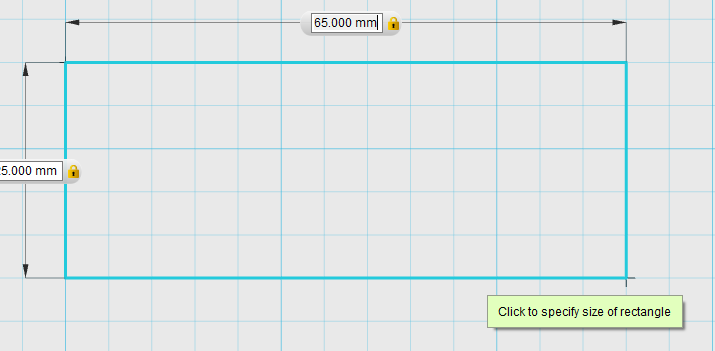
This tutorial is based upon those created by Warwick University for their STEM outreach programme and simplified.

**Step 1 Set your view to TOP**

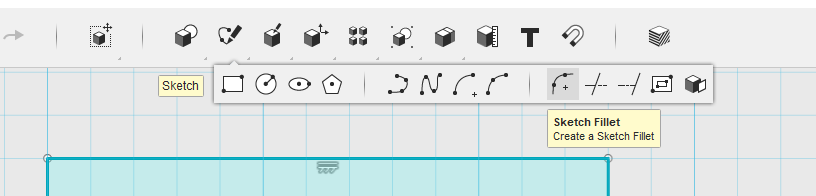


**Step 2 Draw a simple rectangle of 65 x 25mm**

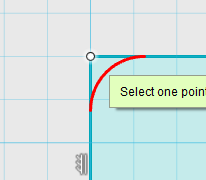




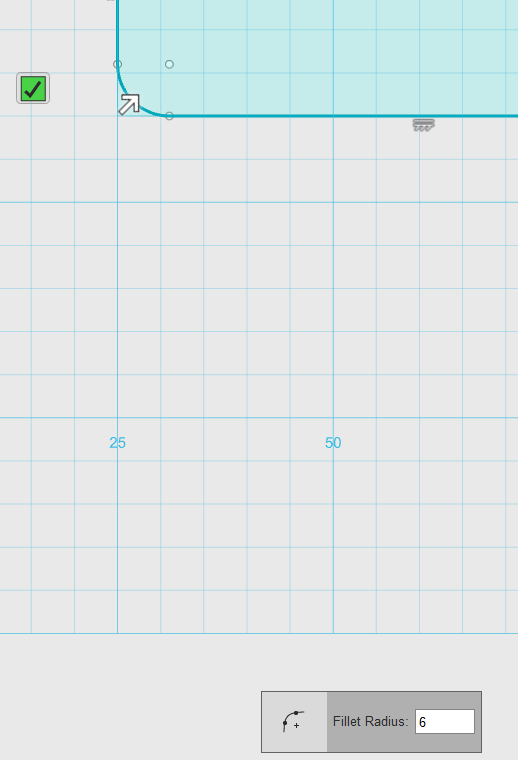
**Step 3 from the sketch menu chose fillets to curve the edges**



**Select the corner you wish to curve**

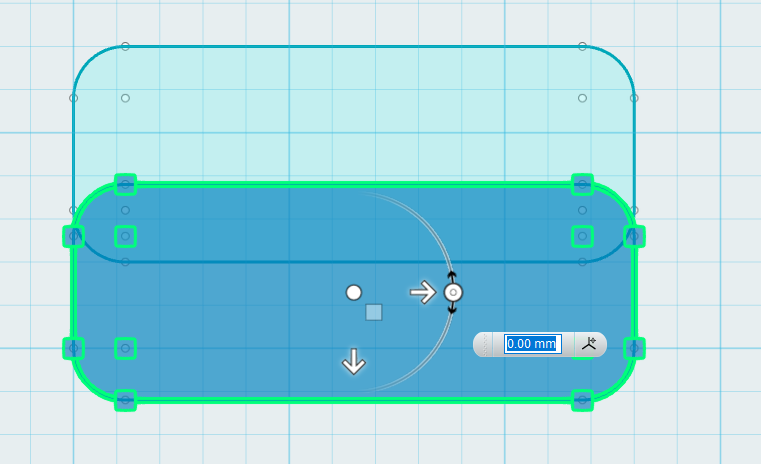


**And make the radius 6mm – do this for all 4 corners**

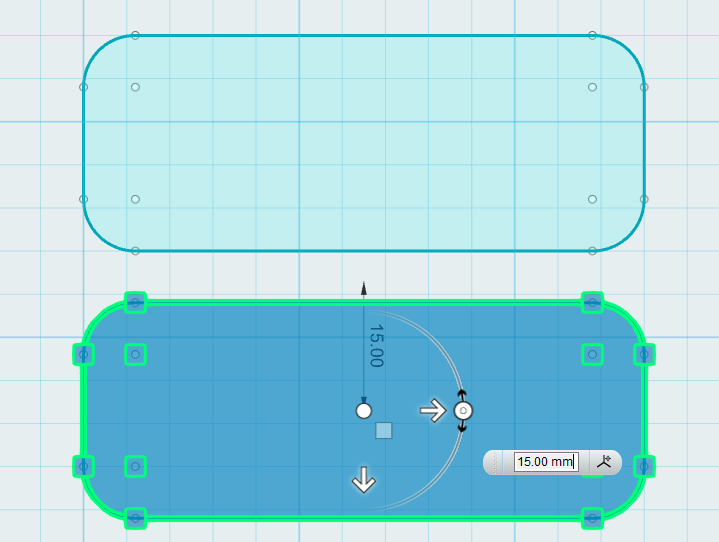




**Step 4 use CTRL C and CTRL V to make a copy of you shape**

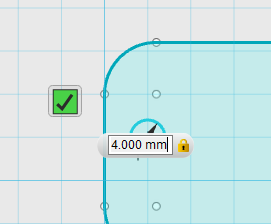


**And move it below the first**

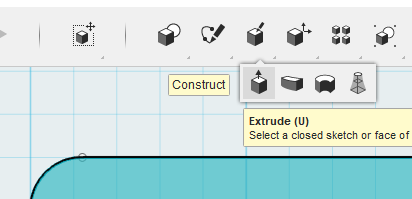


**Step 5 From the primitives option draw a 4mm circle where you want your keyring to mount**

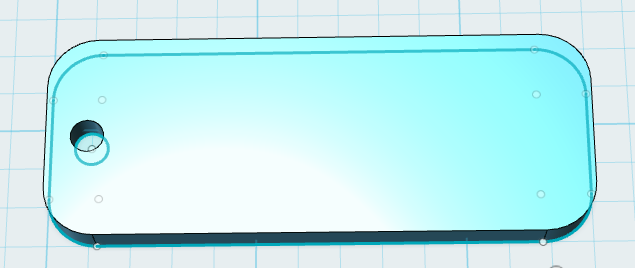




**Step 6 – From the construction menu select extrude**



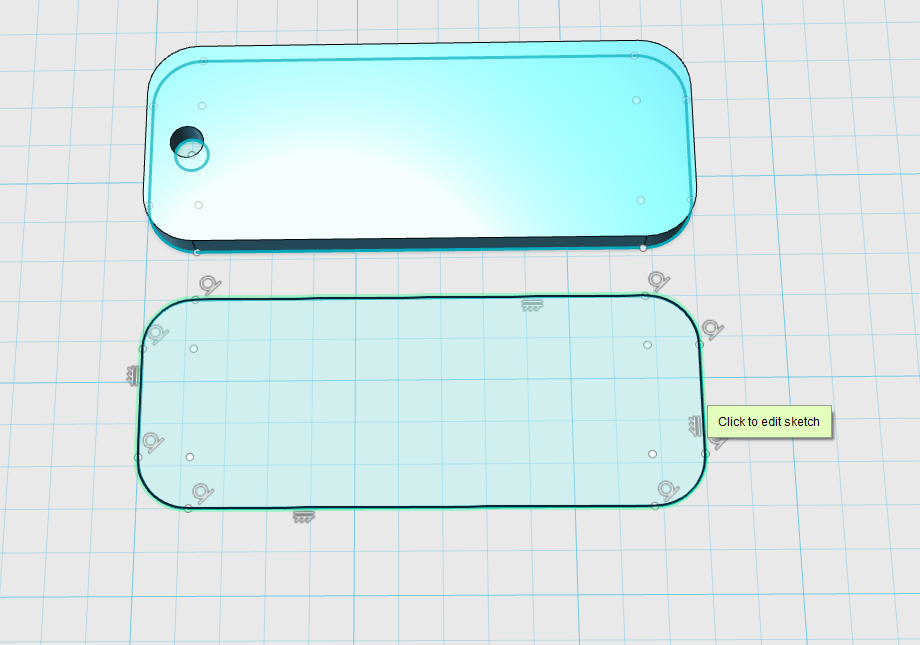
**Select the shape and extrude it 2mm up**



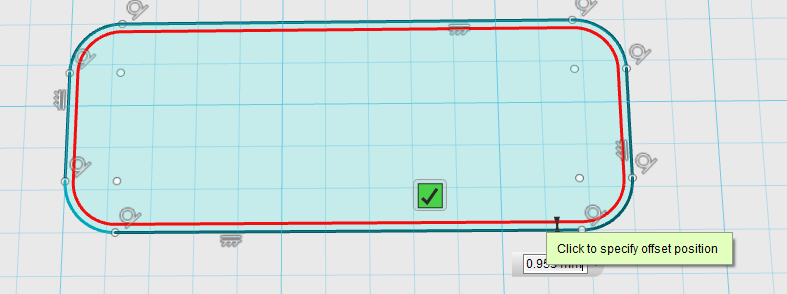
**Step 7 From the sketch menu select offset**

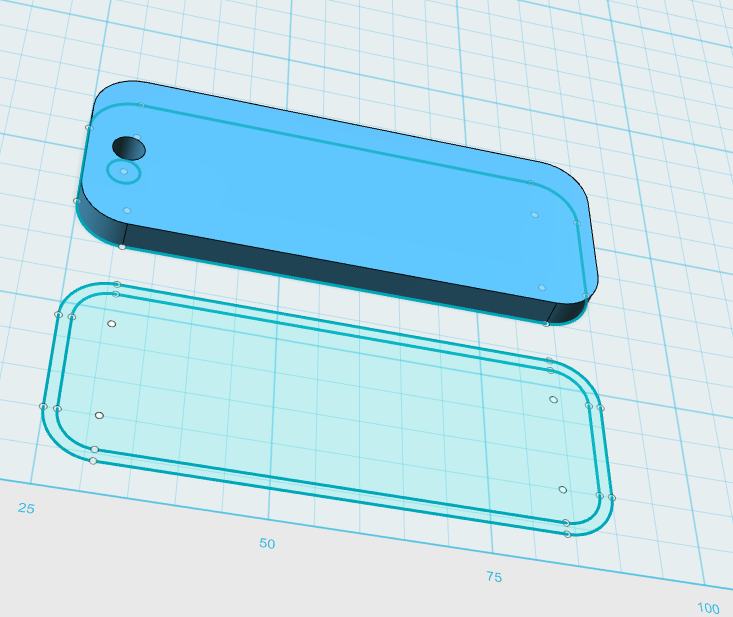


**And choose the outside edge of the bottom shape**

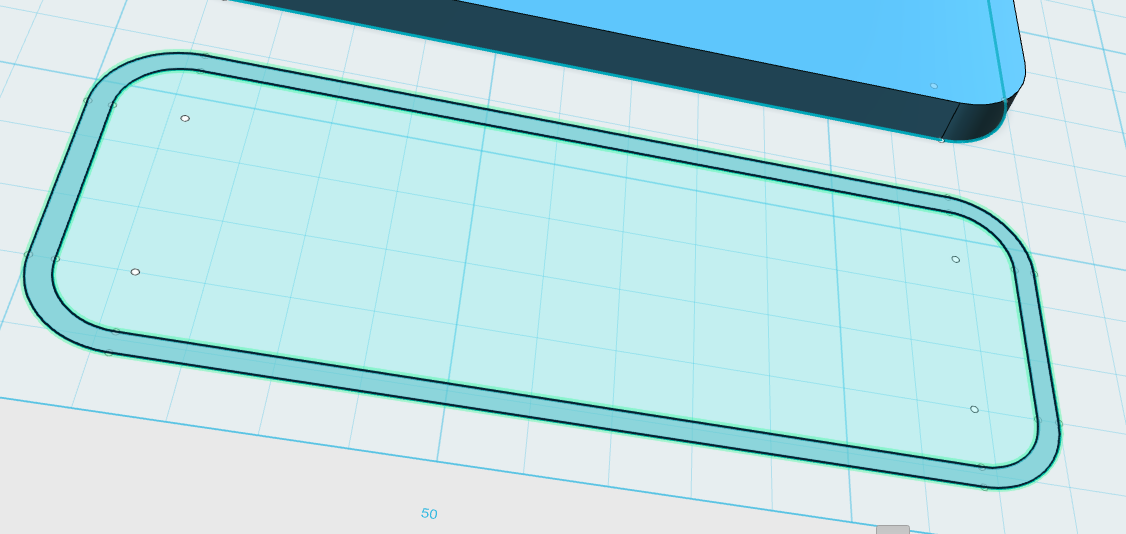


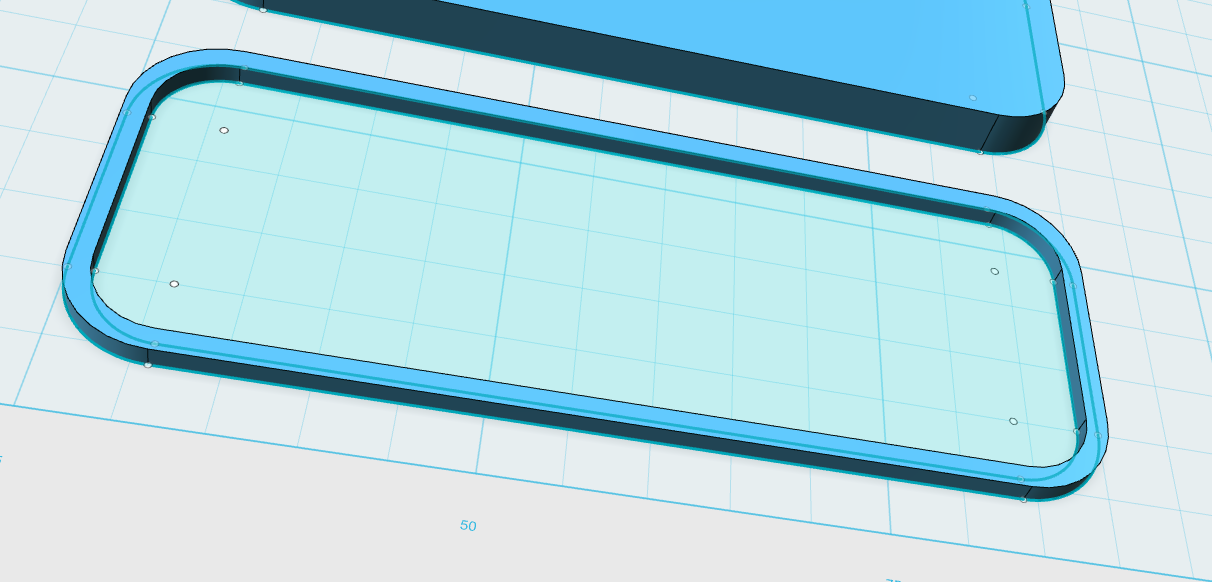
**Set the offset to 1.5mm**



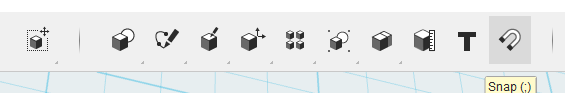


**Step 8 – Select the offset you just created and extrude it up by 1.5mm**

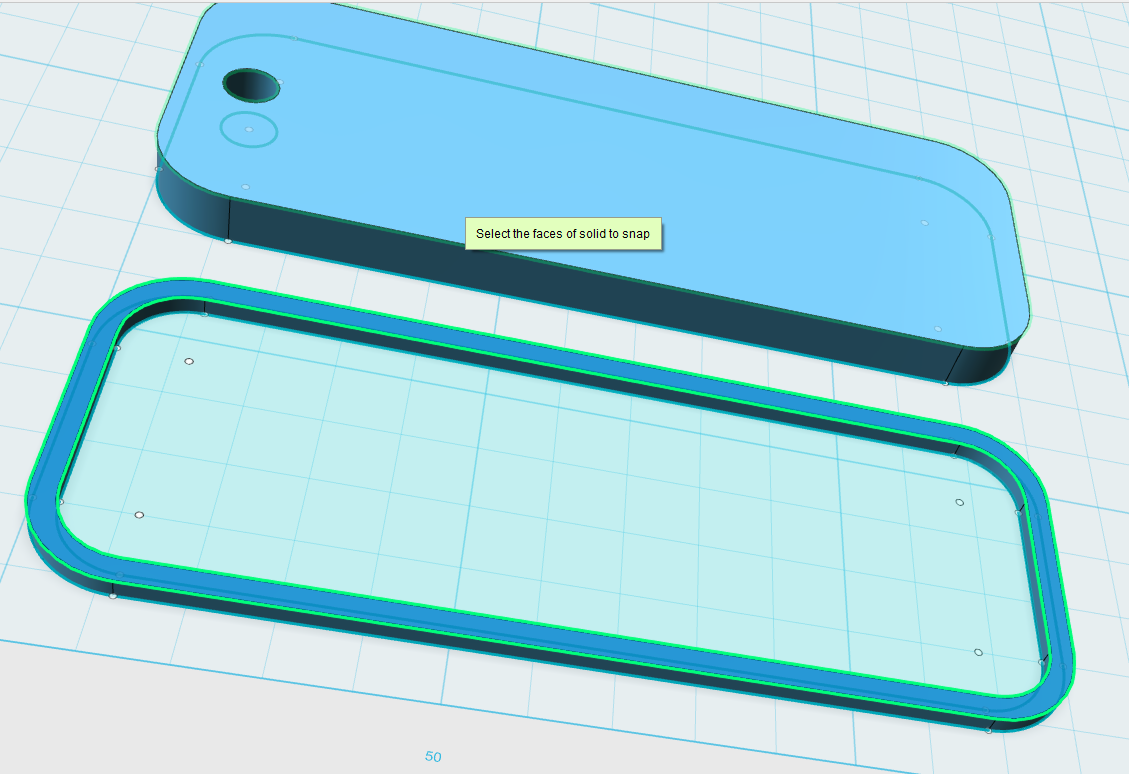


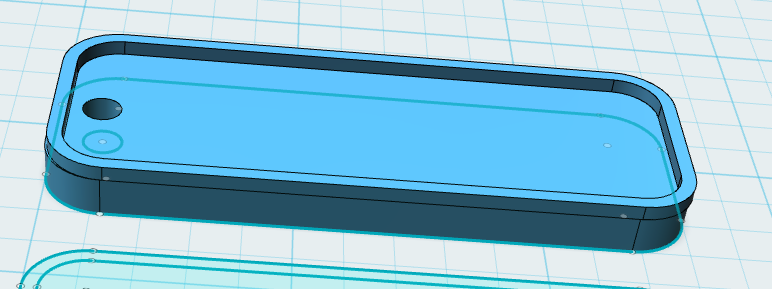


**Step 9 choose the snap tool**

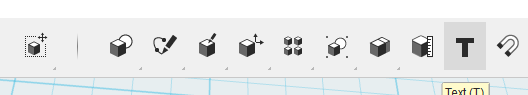


**Select your rim and then the top face to join them together**

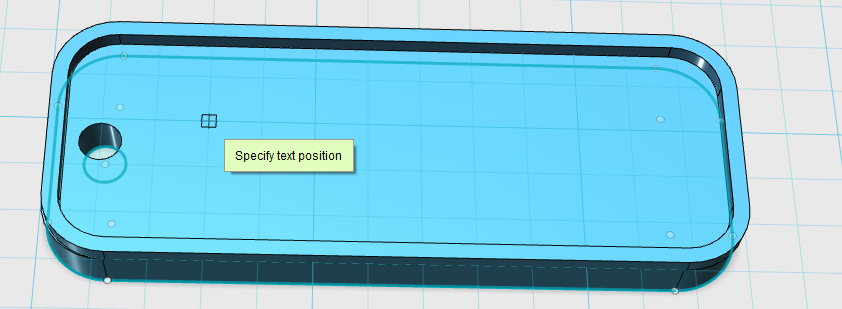




**Step 10 Choose the text option**



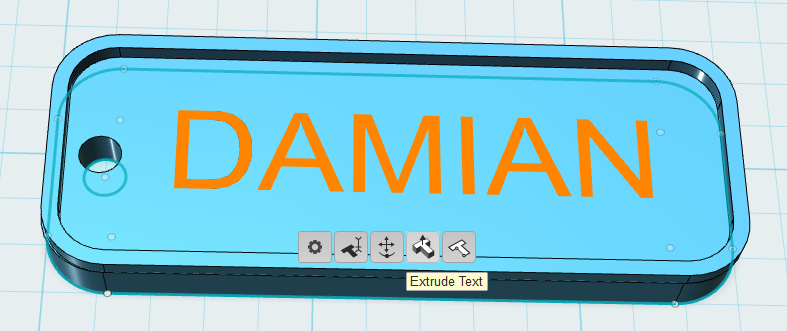
**Specify the starting point for your text**



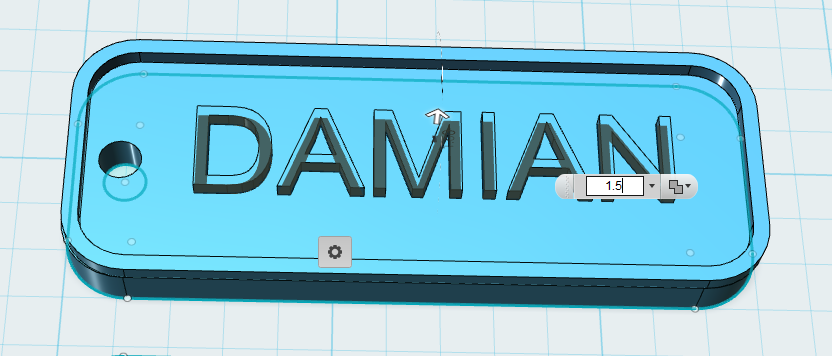
**Type, size and position before pressing OK**



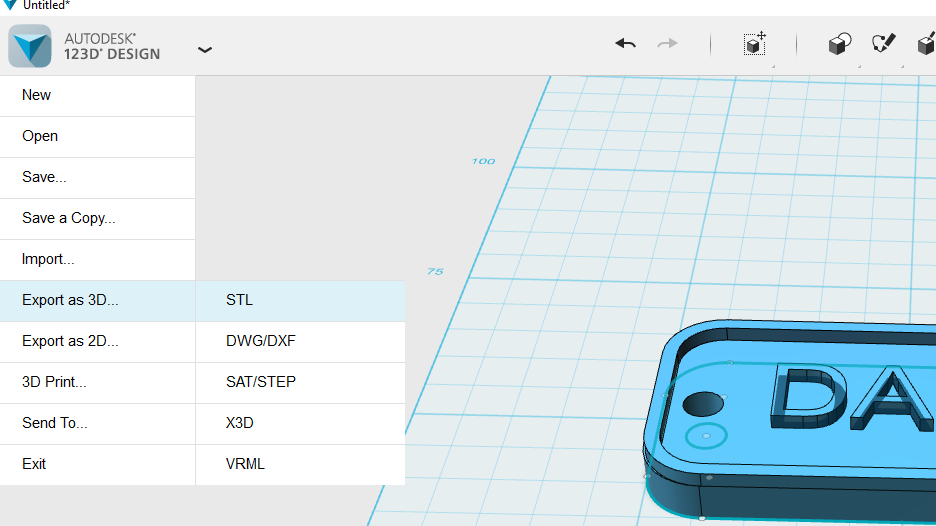
**Step 11 Select the text, click the cog and choose extrude text**



**Extrude up to 1.5mm**



**Save your file to you PC and Export it as an STL file for printing**



**Remember to combine the objects**

