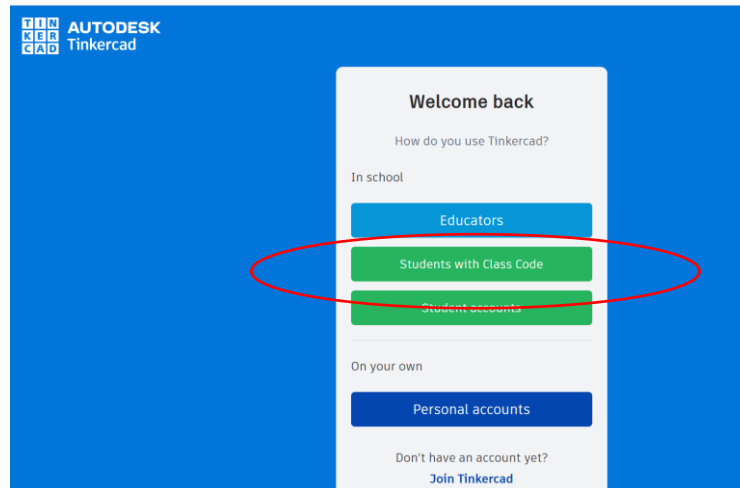


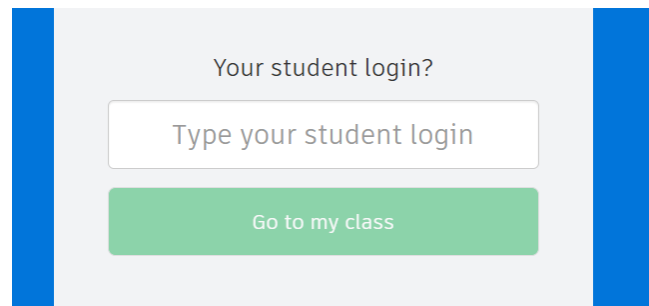
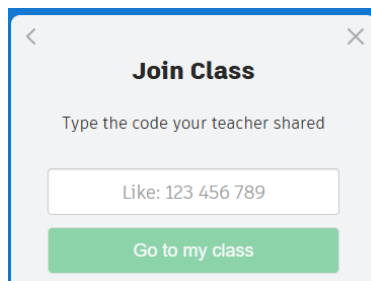


Design your key-tag instruction sheet.

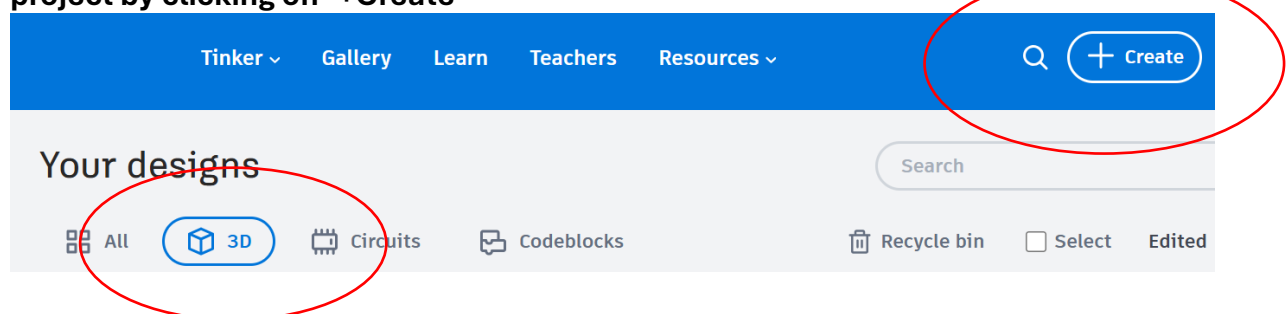
1. Go to tinkercad.com and log in to see the page below. You will need to click on “Students with Class Code”



2. It will take you to the screen below and it will ask you to type a code. Type in the code that is shared with your class, then click on the green button that says ‘Go to my class’. You will then need to use your “Student login” given to you by your teacher to create your account.



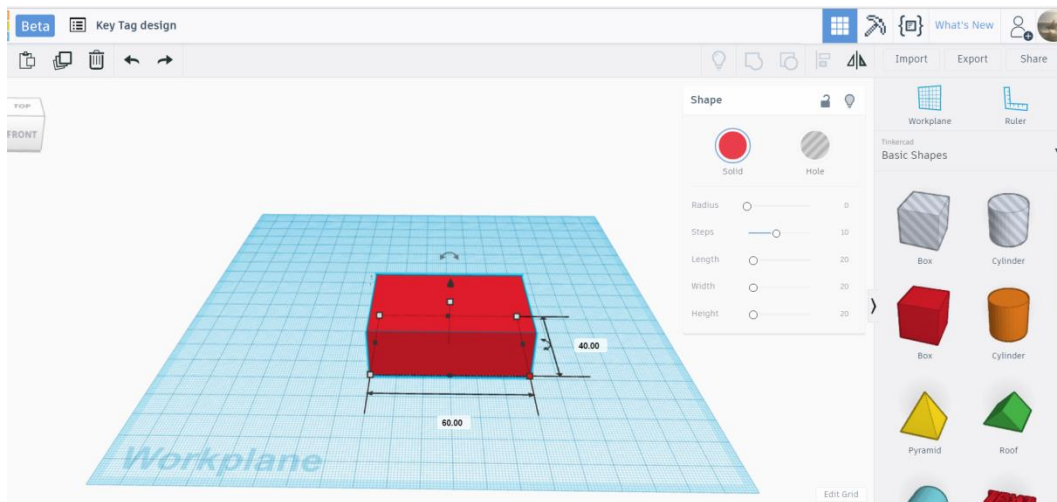
Once you are in your account select 3D and start your project your 3D printing project by clicking on +Create





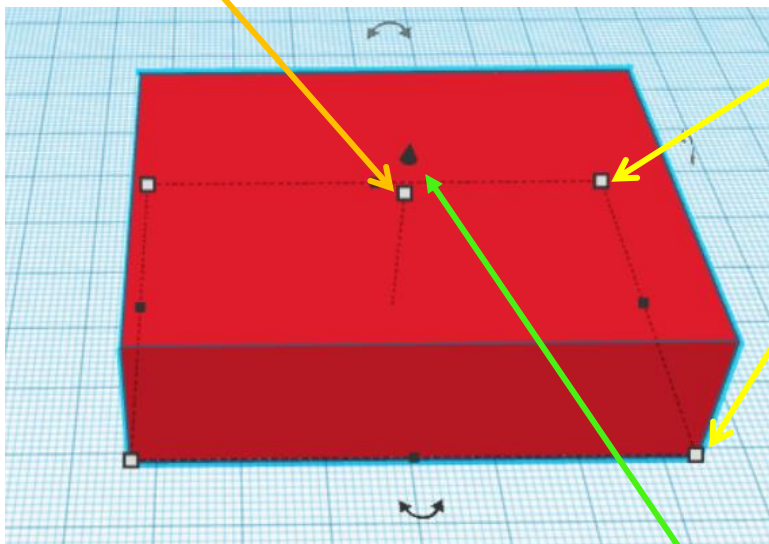
3. Work plane

- Adjust the view of the Work plane by holding the right mouse button and moving the mouse around
- Zoom in and out by moving the scroll wheel on the mouse

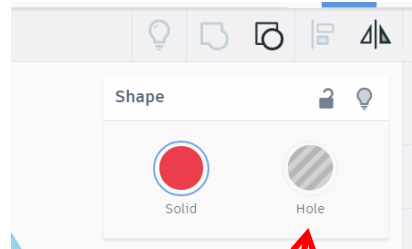
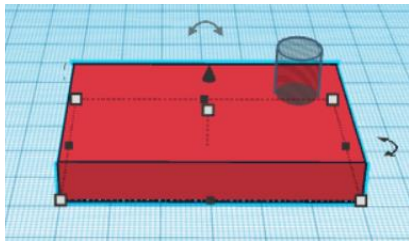


4. Drag and Drop

- Choose an object, then drag and drop it onto the Work plane
- Adjust the dimensions using the corner squares to get a 60 x 40 mm square
- Adjust the height using the central square to get 9mm

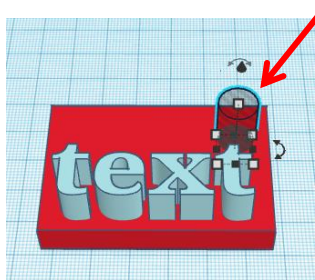


- **Until you have practised with this program avoid using the central black cone shape as this lifts and lowers the object and can leave it floating in mid-air.**

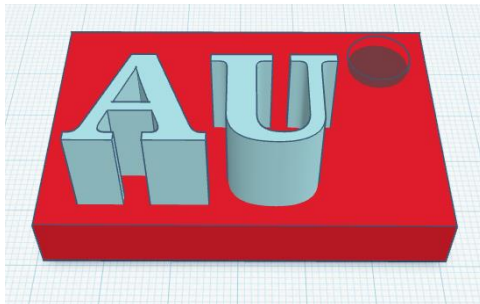


5. Making a hole and adding text

- Drag and drop a new shape onto the Work plane
- Select the new object and change it into a **hole**
- Adjust the size of the hole (approx. 10 x 10mm) and place it inside your object making sure it goes right through. To do this click on the **black cone shape** above the cylinder and drag it down so the hole is all the way through your shape.



- Add the “text” piece to your design and change it to the wording you want.



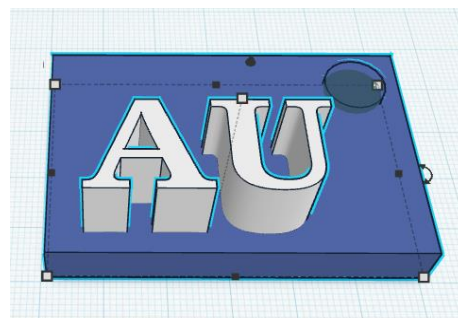
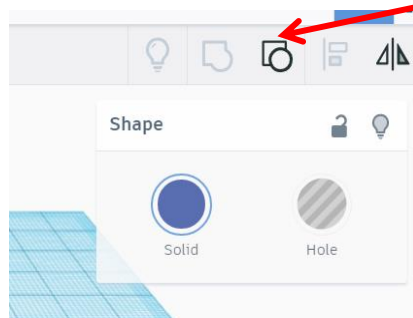
* Add text and other features to your design.

Adjust text to 12mm or it will not be visible when printed.

To add text drag and drop the text icon onto the workplane and then adjust the text, font and height.

6. Grouping the object

- Highlight both objects (by making dragging the mouse to create a red rectangular perimeter) you then click **Group** or press **Control + G**



The colour in Tinkercad is irrelevant, it is the printer plastic that determines the colour of the final product.