

Introduction to 3D printing

Step-by-step guide

1. Watch the tutorial

cleverlearning.co.uk/intro3DprintActivity.php

2. Set up Tinkercad

- Search for “tinkercad”, or go to tinkercad.com
- Click on the “Join your class” button
- Enter the class code you have been given
- Enter the nickname you’ve been given

3. Start designing

- Click on “Create new design”
- Create a small, simple object, following all of the tips from the tutorial
- Save your work by clicking on the Tinkercad logo
- You can create as many different designs as you like

4. Choose ONE design for 3D printing

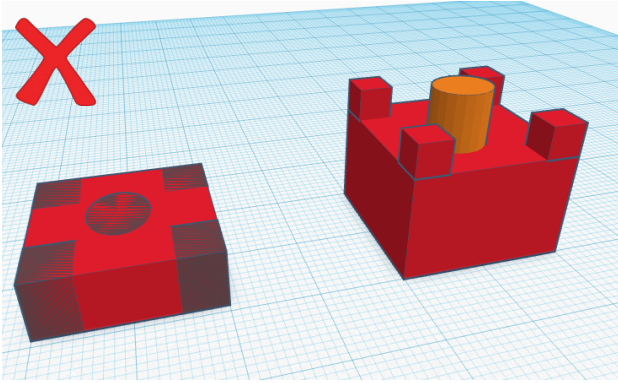
- Take your time and be creative, so you have a really good design
- When you’re ready, choose one design that’s your favourite and add “PRINT THIS” to the end of its name

5. Check for comments and edit your design

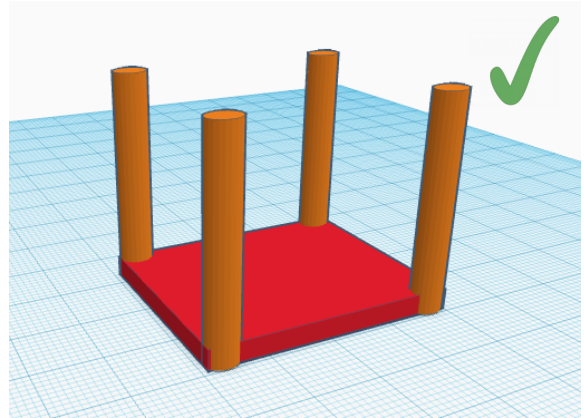
- Check back after a day or two to see if there are any comments on your chosen design
- Edit your design if you need to, and save your work

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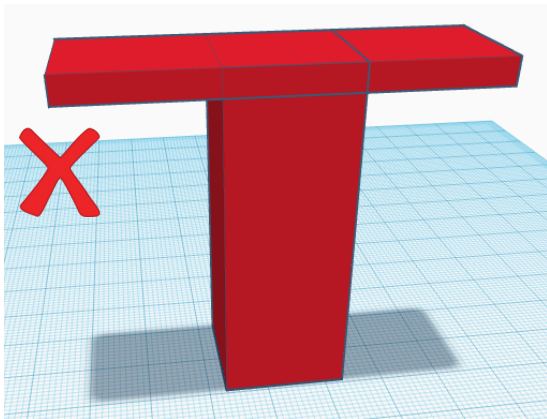
How to make sure your design prints well



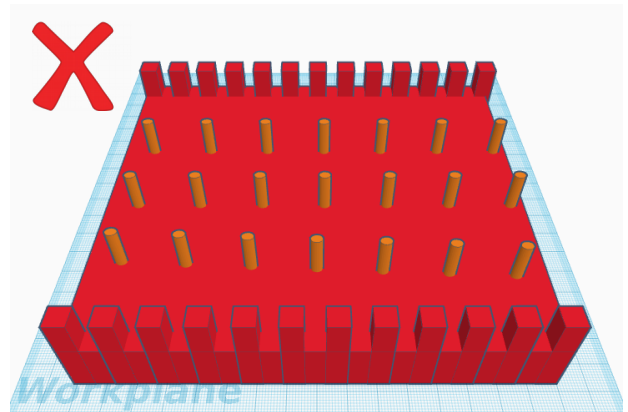
Your design must include just one single object (not two as shown here)



Make sure your object has a large, flat base touching the floor. Some objects print better upside-down



Do not have any overhanging parts sticking out. Every part must be supported underneath



Keep your design small and simple, without lots of tiny details