



Year 5 DT Home Learning Tasks



Draw me an engineer

First, spend 10 minutes drawing an engineer – a person who makes something. What do they look like? Where are they? What are they doing? Try not to overthink this task, we just want your initially ideas.

Only after you have completed your picture, research (or think more about) different sorts of engineering.

When you have done this, write a brief explanation of why your picture is accurate, and say how you might improve it next time, using what you have just learnt.

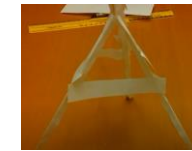
Marble Run (See Resource)

Follow the instructions to make a marble run (don't worry about the glue if you don't have any). Can you follow them? Can you improve them? Have a go and see what you can come up with.



Paper Tower Challenge

This video shows how you can be to create a freestanding structure using a **single** piece of paper and some tape. The tower needs to be constructed with paper and secured with tape (not made with the tape itself!) How accurately can you follow his design? Can you improve it? Have a go and send us a picture!



Link to Video Clip:

<https://www.youtube.com/watch?v=tuEBEKOProY>

Create a Technologies Dictionary (See Resource)

Write a definition for each of the words listed.

Write the definitions as if they were for a dictionary, but do not copy the definition from the dictionary!

Remember that words in a dictionary are always in alphabetical order.



Design Tasks

With the emphasis on the Design of Design Technology, have a go at one (or all) of these tasks.

1 Draw a small electrical item from your kitchen in 3D (Extra challenge - draw in pen!)



5 Upcycle an old T-Shirt (Make sure you ask for permission first!)



13 Make & decorate a letter for your room (Or even a full word)



3D Room (See Resource)

Design your own 3D room. The room does not need to be the same size as the example and you could always use existing boxes, like cereal boxes if you're having difficulty.



Link to Video Clip:

<https://www.bbc.co.uk/teach/class-clips-video/design-and-technology-ks1-ks2-making-a-3d-model-of-a-room/zfr2d6f>

