

Design Technology Home Learning Ideas

Here are some ideas, but if you are designing or making anything that interests you, that is home learning too. Ask your parents or grandparents what they liked to make when they were young, they may have some ideas. If you are involved in scouting, see if there is something you can make towards a scout badge or get involved with “camp at home scheme” and build your own camp (inside or outside).

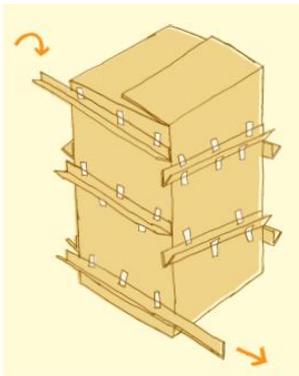
1. Cooking:

Get in the kitchen and do some cooking. You could use one of the ideas from a different subject home learning or just choose to make something of your choice. Take a photo and share it with others and write a review.

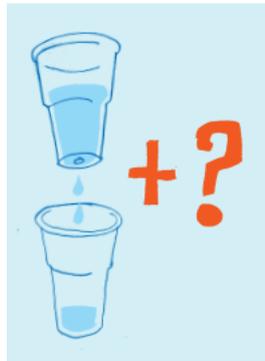
2. Time machine:

Design your own invention to measure 1 minute of time using objects you have around the house. It could be simple or complicated. Draw a labelled diagram and explain how it works. You could even make your invention and share a video to show how accurate it is. You could start with a shorter time if 1 minute is too long.

Marble run



Water clock



3. Building bridges:

Research different bridges around the world to get some design ideas. Now design and, if possible, build your own bridge! Bridges can be made out of any materials you have lying around the house, including recycled cardboard, containers, bottles, pasta and any craft materials. Build your bridge between two chairs or tables.



4. Boats

Research about boats (What are they made of? How are they powered? Why do they float?) Design your own boat to carry an object of your choice (e.g. a toy car). You could even build the boat out materials you can find or use construction materials such as Lego.

5. Textiles

Design something you can wear using recycled material. Draw a picture and label it. You could recycle a piece of clothing that is no longer needed or create an outfit using a plastic bin bag. You could even make your design, have a fashion show and share the photos.

Other useful links for ideas:

<https://designmuseum.org/whats-on/families/create-and-make/create-and-make-at-home>

https://www.jamesdysonfoundation.co.uk/content/dam/pdf/JDF_with%20cover%20challenge-cards_DIGITAL.pdf?