Ideas for Design Technology at Home

Remote learning can be tricky but we hope that these useful website links and challenges help keep the children motivated and enthusiastic to learn!

Have a look at these for ideas to try from home:

https://www.bbc.co.uk/bitesize/subjects/zb9d7ty - KS1 BBC Bitesize DT

https://www.bbc.co.uk/bitesize/subjects/zyr9wmn - KS2 BBC Bitesize DT

https://www.lego.com/en-gb/themes/letsbuildtogether/365-activities - Links and ideas for Lego building

https://www.foodafactoflife.org.uk/ - Lots of good food technology information

https://www.smallpeicetrust.org.uk/engineering-at-home - Learn through exploration – Turn those materials you would usually send the recycling bin, into something you can design, build and test

https://www.dyson.co.uk/newsroom/overview/update/top-five-engineering-challenges-to-do-at-home - Top 5 engineering challenges to do at home

How about trying these fun activities with everyday household items?

1) Design and build a tower using only spaghetti and marshmallows. Measure how tall you can build the tower without it falling. Discuss the shapes you could use to make your tower more stable. You could even have a competition with your family members from home - who can build the tallest tower?

2) You might like to do some junk modelling. Perhaps you could challenge yourself to make a robot!

3) You could do some cooking or baking. Start by planning and designing the product you would like to make then (with permission from your grown up) make and evaluate your product.

4) How about making your own marble run? Follow the simple instructions below to make the game with some household recycling items!

You teachers at school would love to see what you have been getting up to at home so feel free to send in pictures of your DT challenges!

Making a Cereal Box Marble Run

Ever wondered what to do with those empty cereal boxes?

Follow these simple instructions to make a cereal box marble run.

You will need:

- 2 cardboard cereal boxes
- glue
- sticky tape
- scissors
- marbles

1. Start off with your empty cereal box. Tape the lid shut and then cut off the front panel (take care, scissors are sharp!). Make sure you leave a little ledge at the bottom. This will stop the marbles rolling out everywhere when they reach the end of the run.

2. Then take the detached front panel and cut it into three strips. Bend them at the ends and cut a notch on one side for the marble to run through.

3. Next, take a little extra cardboard from another cereal box and fold the end of it and tape it onto the bottom. The folded end makes the marble run tilt back a little bit so the marble goes down the holes and doesn't fall out of the box.

4. Finally, tape the strips into the box and cut a little hole at the top to drop the marble through. Then go and find some marbles!