Year 5 & 6 Design and Technology Home Learning Challenges

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- **Try as many of the activities as possible.**
- **You can use as many different materials as you like, e.g. cardboard, Lego, building blocks etc.**

Textiles:

- Try threading a needle.
- Using a piece of fabric (this could be an old cut up t-shirt, jumper or trousers), thread and knot a needle, practise your sewing skills by doing the running stitch (straight stitch).
- Design and make a t-shirt for a street party. Think about the colour, design and embellishments you could add. Challenge yourself further by actually making it!
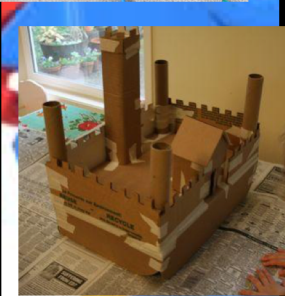
Food Technology:

The following is with adult permission and supervision:

- Practise using a knife (**WITH adult supervision and permission**), slice and chop a piece of fruit or veg.
- Using a peeler, peel an apple, carrot or potato.
- Using a butter knife, spread butter on a slice of bread and toast.
- Think about what a healthy diet is, can you make a healthy sandwich?
- Make a fruit salad for your adult using different fruits, making it bright and colourful.
- Following a simple recipe, bake your family a cake. Challenge yourself further by adding decoration to the cake.

Design and build:

- Design and build a castle. Your castle should have a tower, windows and have different levels. You can use Lego, building blocks or cardboard boxes and tubes or anything else you can think of. Can you make the door open and close?
- Design and build a pillow fort or hide away using blankets, pillows, chairs and even pegs to help hold things together.
- Design and make a game for your family. You need to think about how many people can play? What the objective is? Are you going to be moving around a board? Are you going to be setting challenges? What can you use for player pieces? Can you make this game digitally interactive? Are you going to have knowledge based questions? Are you going to be rolling a die? What are the rules?
- Design and build a marble run using old bottles, cardboard boxes, tubes, kitchen rolls, Lego or anything else you can think of. Challenge yourself further by creating different levels for the marble to go on.