The D&T Summer Design Challenge.

You will need a pencil, ruler, coloured pens or pencils and 3 sheets of A4 paper. This is just a design - you will not be expected to make it, so be creative!

Your Design Brief:

When school starts again you may need an Alarm Clock to wake you up. We would like you to design an Alarm Clock that reflects *your* personality. **Specification:**

On one sheet of paper write down a list of what is **important** for your clock. For example;

1. Size:	height, width, depth .
2. Overall shape:	tall, slim or round etc
3. Colours:	bright, pale or monochrome etc
4. Style:	modern, old fashioned or themed ; for example, a Space Theme !
5. Materials that it is to be made from: plastic, wood, cork, stone, metal , fabric etc	
6. The face (numbers):	analogue or digital .
7. Environmental Issues:	<mark>solar power</mark> , <mark>recycled materials</mark> etc

8. Does it do anything other than tell the time?

Initial Designs:

- Fold a second sheet of A4 paper in half, then half again to produce 4 equal shapes; finally unfold and flatten.
- Draw a design idea in each quarter of the page.
- Look at your drawings, think about your favourite and why you like it.
- Ask people around you what they think is **good** about each design.

Final Design:

Using the information from above draw your **Best Design** on the third piece of paper.

Use colour and write notes (annotations) that explain your design.

Extra Challenge. Modelling:

Aluminium

Can you make a 3D model of your clock from cardboard? *Dením* Cereal packet cardboard is good to use (*and* you would be **recycling**).

Coloured glass -

For something extra to do in D&T take a look at..... https://www.jamesdysonfoundation.com/resources/challengecards.htmlhttps://designmuseum.org/whats-on/families/create-andmake/create-and-make-at-home. Look at 'Design your own exhibition' for ideas on Nets. It may help with the model making! Ask an adult before trying any of the experiments or projects.



For something extra to do in Food prep, take a look at\; <u>https://www.foodafactoflife.org.uk/11-14-years/quizzes/</u>