

Year 8 Resistant Materials Takeaway Home-learning Menu

Starter:

Investigate Metal properties

Research the following materials:

Steel
Copper
Aluminium

Find out where they come from and the stages in which they are made. (Where did copper start before it became a penny?)

Use your research and incorporate the information into one of the following. You could produce, for example: a chart, pamphlet, comic strip, poster or essay (300 – 600 words).

Brain stretcher: What can you find out about Eco-design? Why is it important? How can it affect a product design?

Main:

Researching existing products

Find out where a computer comes from and how it is made. (This could be your favourite smart phone or games console).

You must include images and the different stages of production for the product.

Use your research and incorporate the information into one of the following. You could produce, for example: a chart, pamphlet, comic strip, poster or essay (400 – 700 words).

Brain stretcher: Can you create a flow chart for the basic production of this Textile product?

Dessert:

Designing

Thinking about sustainability and what this means create a range of Products that promote sustainability.

The range of items could be interiors, fashion, motorsport, car interiors etc.

You must have:

- At least five items in your range.
- Fully annotated your designs explaining why they are sustainable and what materials would be used.
- Colour added using the media of your choice.
- A paragraph of writing which introduces your range and why people would want to buy it with price points. (Sell your products through language).

Brain stretcher: How much carbon footprint would your Textile range have?