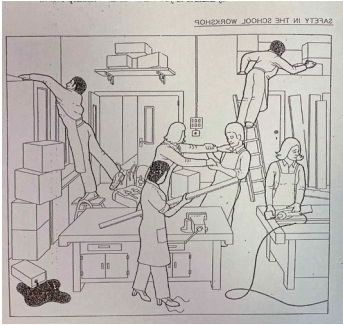


# Knowledge Organiser



The most important part of Design & Technology is Health & Safety. We want you to enjoy your time in the workshop but you must stay safe. Throughout the project a high

level of Health & Safety will be adhered to.

At the start of a practical lesson bags will be tucked away, stools will be stacked, aprons on and hair tied back.



A Coping saw

A coping saw will be used to cut the shape of your flower. Setting the saw up and changing the blade will also be part of the process.

The edges of your flower will be smoothed out using a woodwork rasp.



A wood rasp

In order to design well you need to demonstrate understanding about the structure of wood. The grain structure of wood will enable you to design with confidence and ensure the work won't snap due to 'short grain'

Softwood, Hardwoods and man-made woods



Wood grain



Annual growth rings



## Flower Project

Your design folio will reflect your 'best work'

Colouring pencils will be used to apply colour in a sensitive and graduated way.

Colouring pencils will be used to create a wood grain affect within your design work.



Colouring Pencils

Pillar drills are used to drill blind holes and through holes



Pillar Drill

You will learn about the benefits of using templates to ensure accuracy and repetition.



Flower templates to ensure quality

Various types and grades of abrasive paper, how to sand properly and what order to use them in.

Using PVA glue to apply correctly to join the parts of the flower

Application of finishes. The flower will demonstrate a high level of finish by applying wax.



Abrasive paper



PVA Glue



Wax

Final outcomes

