

### DT in Year 3

- I can use research to develop design criteria that are fit for purpose.
- I can disassemble products and describe in detail their functions.
- I can select from and use a wide range of materials and components according to both functional and aesthetic qualities. (quality of paper)
- I can select and use tools and equipment to measure, mark out and shape materials and components. (boxwood tools, loop and ribbon tools, ribs and scrapers, needle tools, sponges, shapers, and sgraffito tools)
- I can gain an understanding of the way in which the work of famous inventors, designers, engineers, chefs and manufacturers have impacted on the development of product design and function. (What?)
- I can convert measure and weigh using standard and imperial units. (g/kg, ml/l)
- I can give reasons for the way in which food processing can affect the taste, appearance, texture and colour of food.

### DT in Year 4

As above and...

- I can generate plans and designs based on research and ideas that take account of the users' views and the intended purpose.
- I can make a range of complex paper models, mock-ups and templates.
- I can follow procedures for safety and hygiene.
- I can talk in scientific terms about the physical and chemical changes that take place when food is cooked.(heated and cooled)
- I can use a wide range of techniques to add colour, texture and pattern to fabric. (printing)

# Key studies within DT in Lower Key Stage 2

## Cook Well, Eatwell/ Push and Pull /Greenhouse

- I can improve my mastery of art and design techniques, including drawing, painting and sculpture with a range of materials (pencil, charcoal, paint, and clay).
- I can learn about great artists, architects and designers in history.(Who?)
- I can evaluate and analyse creative works using the language of art, craft and design. (Tone, depth, pattern, texture, etc)

## Fresh Food, Good Food

- I can prepare and cook a variety of predominantly savoury dishes using a range of cooking techniques. (roasting? etc)
- I can understand seasonality, and know where and how a variety of ingredients are grown, reared, caught and processed.

## Water and Waves

- I can apply my understanding of how to strengthen, stiffen and reinforce more complex structures.
- I can select from and use a wider range of tools and equipment to perform practical tasks (for example, cutting, shaping, joining and finishing), accurately.
- I can understand how key events and individuals in design and technology have helped shape the world.(Which ones?)

## Tomb Builder

- I can investigate and analyse a range of existing products.