DESIGN TECHNOLOGY KEY OBJECTIVES

Year 1

Moving Picture

- I can use materials to plan and create a moving mechanism.
- I can evaluate my products and ideas against their simple design criteria (explain positives and improvements

Chair

- I can analyse and explain how to stabilise a freestanding structure.
- I can test the different properties of materials and implement them accordingly to create a free-standing structure (chair).

Year 2

Finger Puppet

- I can cut two pieces of fabric together so they are the same shape and size.
- I can stitch fabric together evenly and evaluate the quality of my work..

Fruit Kebab

- I can design and evaluate my food product using sensory terms such as chewy, sweet, salty, spicy, dry, and crunchy.
- I can plan, measure and weigh ingredients and combine them to produce a product that matches my design.

Year 3

Moving Poster

- I can explain how mechanical systems such as levers and linkages create movement.
- I can demonstrate an understanding that materials have both functional properties and aesthetic qualities and use this knowledge to inform my design.
- I can design and create levers and linkages to cause movement in my poster.

Purses

- I can evaluate an existing product, explaining its purpose and whether it is designed well to meet this.
- I can use a template or paper pattern to measure and mark out accurately.
- I can improve my stitching skills to include running stitch and blanket stitch.

Year 4

Pizzas

- I can plan a pizza and packaging for a specific purpose or audience.
- I can demonstrate an awareness of food labels used on packaging and the information they show.
- I can evaluate my product and identify any strengths and any areas for development against the original specifications

Torches

- I can design and make a torch using appropriate materials, and explain my product using labelled and exploded diagrams
- I can plan and select the correct equipment I need for a practical task
- I can evaluate the success of my torch design and explain how it could be improved or changed.

Year 5

Textiles

- I can research and develop design criteria for an innovative textile protective product with a stated purpose
- I can combine different fabric shapes using a range of tools and techniques to make my finished product (e.g. phone or glasses case).
- I can evaluate my product against my design criteria.

Cooking

- I can plan and prepare and cook a savoury dish safely and hygienically.
- I can evaluate my dish for taste, appearance, texture and aroma.
- I can explain seasonality, and how this may affect food availability and price, and plan accordingly.

Year 6

Toy

- I can use my research to inform and develop an appealing product fit for purpose.
- I can disassemble a product to explore the mechanics of pulleys, gears and cams.
- I can teste and implement pulleys and belts to create my own structure with moving parts.

Bug Hotel

- I can design and build a solid structure with a specific purpose (bug hotel).
- I can explain how particular parts of my product work
- I can produce a written formal evaluation for my final product, identifying improvements for future designs.