

### Year 3 Design and Technology Skill Progression

#### **Design**

- Use, research and develop design criteria to inform the sequential design of innovative, functional, appealing products that are fit for purpose, identifying strengths and weaknesses, aimed at particular individuals or groups.
- Generate, develop, model and communicate their ideas through discussion and annotated sketches. Begin to use cross-sectional and exploded diagrams, prototypes and pattern pieces.
- Select appropriate tools, materials and equipment.

#### **Make**

- Select from and use a wider range of tools and equipment to perform practical tasks (example cutting, shaping, joining and finishing), accurately.
- Select from and use a wider range of materials and components, including construction materials and ingredients, according to their functional properties and aesthetic qualities.

#### **Technical Knowledge**

- Apply their understanding of simple cooking techniques.
- Apply their understanding of how to strengthen, stiffen and reinforce more complex structures.
- Understand and use mechanical systems in their products (for example, levers and linkages).

#### **Evaluate**

- Investigate and analyse a range of existing products.
- Evaluate their ideas and products against their own design criteria and consider the views of others to improve their work.
- Understand how key events and individuals in design and technology have helped shaped the world.

#### **Food and Nutrition**

- To prepare and cook a savoury dish, using simple cooking techniques (e.g. boiling).

#### **In Year 3, we...**

- Understand the Eat Well Plate and seasonality to plan a simple dish (Autumn 2)
- Explore mechanical systems – levers and linkages (Spring 2)
- Design, build and strengthen a structure (Summer 2)