



## End of Year Expectations Design and Technology Y5

### Design

As a design and technologist:

- Can I come up with a range of ideas after I have collected information? Can I take a user's view into account when designing?
- Can I produce a detailed step-by-step plan?
- Can I use cross sectional planning to show my design?
- Can I produce prototypes to show my ideas?

### Make

As a design and technologist:

- Can I cut materials more accurately?
- Can I measure and mark out accurately to the nearest millimetre?
- Can I ensure my product has a seam allowance?
- Can I join textiles efficiently using a simple stitch?
- Can I use a range of tools and equipment expertly?

### Evaluate

As a design and technologist:

- Can I test and evaluate my final product?
- Can I evaluate the design to suggest improvements, considering the materials and methods that have been used?
- Can I evaluate the appearance and function against the original criteria?
- Can I practise my evaluation skills by evaluating existing products against criteria which I have set?
- Can I explain why my finished product is going to be of good quality?
- Can I explain how my product will appeal to the audience?
- Can I think about the aesthetic qualities of my work?
- Can I think about the functionality of my work?

### Technical Knowledge

As a design and technologist:

- Can I choose appropriate tools to cut and shape and justify choices with my knowledge (such as the nature of fabric may require sharper scissors than would be used to cut paper)?
- Am I beginning to use the qualities of materials to create suitable visual and tactile effects in the decoration of textiles?
- Am I beginning to create circuits using electronics kits that employ a number of components (such as LEDs, resistors, transistors and chips)?
- Am I beginning to develop a range of practical skills to create products (such as cutting, drilling and screwing, nailing, gluing, filing and sanding)?
- Am I beginning to use innovative combinations of electronics (or computing) and mechanics in product designs?
- Can I write code to control and monitor models or products?

### Cooking and Nutrition

As a design and technologist:

- Do I understand the importance of correct storage and handling of ingredients?
- Am I beginning to measure accurately and calculate ratios of ingredients to scale up or down from a recipe?
- Am I beginning to demonstrate a range of baking and cooking techniques?
- Am I beginning to create and refine recipes, including ingredients, methods, cooking times and temperatures?