Pearl Hyde Primary School -Design & Technology Routeway - Cycle B.

Food for Life. (Cooking & Nutrition)

Year

5 & 6

Year 3

& 432

Year

1 & 2

EYFS

Children learn about processed foods and food labelling. They learn about whole and organic foods. The children design a healthy daily menu for an eleven-year-old that meets a set of design criteria. They prepare one of the meals and then taste and evaluate their dish.

Engineer. (Structures)

Children study the form and function of significant bridges, learning to identify features such as beams, arches and trusses. They undertake a bridge building challenge to create a bridge prototype.

Make Do & Mend. (Textiles)

Children investigate existing clothing for function, features and fastenings and discuss how to repurpose garments. They practise stitching techniques to repair an item of clothing. The children are challenged to create something new from existing fabrics.

Fresh Food, Good Food. (Cooking & Nutrition)

Children investigate a range of food packaging. They are challenged to design and create a healthy packaged snack that keeps fresh for several hours.

Functional & Fancy Fabrics. (Textiles)

Children explore how fabric products are used in the home and study the work of the British textile designer William Morris. They create a printed fabric, finished with a sewn hem, embroidery and embellishments.

Tomb Builders. (Mechanisms)

Children revisit learning about mechanisms by exploring simple machines, including pulleys, levers, wheels, axles, inclined planes and screws. Children begin to understand how ancient builders created significant structures. They then plan and build a simple machine prototype.

Remarkable Recipes. (Cooking & Nutrition)

Children learn about the plants and animals we eat as food. They discover why some foods are cooked and are taught how to follow a simple recipe. They choose a new, healthy school lunch recipe to make and evaluate.

Beach Hut. (Structures)

Children learn about methods of strengthening and joining materials and develop their woodworking skills to make box frames to represent a model beach hut.

Cut, Stitch & Join. (Textiles)

Children study the work of the designer Cath Kidston. They practise joining fabrics by gluing and sewing, then explore adding embellishments. The children then use a simple pattern to create a sewn bag tag.

Push & Pull. (Mechanisms)

Children explore sliders, levers and linkages. They apply their learning to design and make greeting cards with moving parts that use these mechanisms.

ELG: Fine Motor Skills.

Children learn to:

- Hold a pencil correctly
- Use a range of small tools, including scissors and paint brushes
- Begin to show accuracy and care when drawing

ELG: Managing Self.

Children learn to:

Understand the importance of healthy food choices

ELG: Expressive Arts & Design.

Children learn to:

- Safely use and explore a variety of materials, tools and techniques, experimenting with colour, design, texture, form and function
- Share their creations, exploring the processes they have used

