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

Year 5 & 6 Year 3 & 432 Year 1 & 2

EYFS

Moving Mechanisms. (Mechanisms)

Children plan, design and make a machine prototype featuring a pneumatic system and a sturdy structure using appropriate materials and joining techniques.

They evaluate and improve their product as it progresses.

Eat the Seasons. (Cooking & Nutrition)

Children explore seasonal foods and why they are beneficial for producers, sellers and consumers. They use seasonal produce to plan and make a soup, evaluating their product for taste, appearance and nutritional value.

Architecture. (Structures)

Children learn about architectural styles and technology. They develop their knowledge of building techniques – adding strength, stability and support to structures, to design and build a functioning model of a building.

Cook Well, Eatwell. (Cooking & Nutrition)

Children learn about food groups and the Eatwell guide. They learn about different cooking methods, which they practise by cooking potatoes and ratatouille.

Making It Move. (Mechanisms)

Children recap learning about levers, linkages, sliders, wheels and axles. They are introduced to the cam mechanism and its parts. They use their understanding of this to design and make a child's automaton toy.

Greenhouse. (Structures)

Children build upon their knowledge of frame structures by investigating the use of diagonal struts, butt joints and triangular corners to strengthen a frame structure. They design, make and evaluate mini greenhouses.

Shade & Shelter (Structures)

Children are introduced to design criteria. They design and make a play den collaboratively in groups and evaluate their construction.

Taxi! (Mechanisms)

Children explore different methods of making axles and fixing wheels to a chassis. They compare products and design and make a model of a taxi.

Chop, Slice & Mash. (Cooking & Nutrition)

Children learn about preparing food and food hygiene. They use preparatory techniques to make a healthy salad. They also design a supermarket sandwich, that is tasty, healthy and easy to eat onthe-go. They taste and evaluate their products.

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

