### Autumn: Shields

Design products with a clear user and purpose in mind – ensure you know what makes a product unique. Set own design criteria based on the above and recognise that some mechanisms, force to have a greater effect

# Spring: Topographic model

Show an understanding of the qualities of materials to choose appropriate tools to cut and shape.

# Summer: Designing clothes

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.

# Autumn:

# Designing a Mayan Temple

Children will be able to identify and apply an appropriate finishing technique to ensure it is high-quality, using art skills where appropraite

### Spring: Merry go round

More detailed designing of their products. Build a circuit and the on/off position of switches, comparing and giving reasons for variations in how components function.



### **Summer: A Greek lunch**

Demonstrate a range of baking and cooking techniques.

# Summer: Designing the Hackney Empire

Within their products, design and use a simple series electrical circuit, identifying and naming its basic parts, including cells, wires, bulbs, switches and buzzers.

### **Summer: Making a Volcano**

Children will choose appropriate materials for their functional properties and aesthetic qualities.

### **Spring: A Roman Banquet**

Prepare ingredients hygienically. Follow a recipe. Assemble or cook ingredients. Cut materials with precision

#### Autumn:

### Gas masks WWII

Generate, develop, model and communicate their ideas through discussion and annotated sketches

To cut materials with precision.

# Music - Roadmap

### Summer: Wind vane

Use sketch books to develop sketching skills- children will be able to sketch accurately (age appropriate level) using correct size, proportions and detail

# Spring: A Spanish "Festin"!

Prepare ingredients hygienically using appropriate utensils. Follow a recipe. Assemble or cook ingredients.

### Autumn:

# Egyptian canopy jars

Select appropriate joining techniques

To cut materials with precision

Children will focus on producing a product that is wellfinished and fit for the function it is designed for.

### Spring: Designing old toys.

Children will be able to use art resources in the environment effectively to design and create products of their interest.

## Spring:

Spring: Designing an aeroplane.

Children explore a variety of materials and processes to create their own work.

#### Autumn:

#### London landmarks models.

Children explore a variety of materials and processes .

### Summer:

### Baking bread

How to prepare simple dishes safely and hygienically.

### Autumn:

#### African patterns. Face masks.

Show pattern and texture by adding dots and lines.

Change and modify threads and fabrics, knotting, fraying, fringing, pulling threads, twisting, plaiting. Apply shapes with glue or by stitching.