

Area of study

Your child will ... (Knowledge)

Your child will be able to... (Skills)

Rotations

Food:
A Balanced Diet

- **Explain** the role of the essential nutrients and the eatwell guide in a balanced diet (The essential nutrients, Macro and micro nutrients, The Eatwell guide)
- **Know** some of the key attributes of fine dining plating (colour, portion control, position, organoleptics)
- **Describe** how yeast works and what it requires to become active

- **Use** tools and equipment (Revise and develop knife, hob and oven, small electrical equipment)
- **Use** intermediate skills (Kneading, Piping, Whisking, Making a complex sauce)
- Follow **health and safety** (Risk assessments, PPE)
- **Make** a range of dishes (Vegetable Couscous, Chilli Con Carne, Ultimate Garlic Bread, Stir Fry, Mille Feuille, Fresh Bread Pizza)

Resistant Materials:
Metal
Copper Bracket

- **Describe the terms** Ferrous, Non-Ferrous and Alloy
- **Name** the properties of metal
- **Describe** the methods of manufacture (marking out, cutting, drilling, bending, forming, finishing and assembling)
- **Describe the terms** Structure, stability and function
- **Explain** the design process (design ideas, phototyping, manufacturing)

- **Make** a template
- **Make** a prototype
- **Use** tools and equipment (Engineer's square, tin snips, hand file, engineer's vice, scribe, centre punch, battery drill, screwdriver)
- Follow **health and safety** (Risk assessments, PPE)
- **Make** a bracket with copper and pinewood

Textiles:
Cushion Cover

- **Explain** where fabric comes from (origins)
- **Describe the terms** Smart Materials, Sustainability
- **Name** the parts of a sewing machine
- **Describe** a range of Decorative Techniques (Hand Sewing, Tie Dye, Machine Sewing, Printing)

- **Use** research to **sketch** design ideas
- **Use** tools and equipment (Needle, Scissors, Sewing Machine)
- Follow **health and safety** (Risk assessments, PPE)
- **Make** a Fabric Cushion Cover