

Langley Primary School

Design & Technology Curriculum

| | 0-3 Preschool | 3-4 EYFS 1 | 4-5 EYFS 2 | Links to KS1 Curriculum |
|------------------------------|---|--|---|---|
| EYFS Area of Learning | Expressive Arts & Design: exploring and using media and materials | | | |
| Fundamental Knowledge | <ul style="list-style-type: none"> • Uses 3D and 2D structures to explore materials and/or to express ideas | <ul style="list-style-type: none"> • Talks about their plans • Uses different materials, tools and techniques in a variety of ways to join and make structures • Talks about their ideas, solve problems and tries different ways of doing things | <ul style="list-style-type: none"> • Plans before they make • Chooses the most appropriate materials and tools for a task, manipulating materials and joining materials in different ways • Talks about their design, solves problems, makes changes and modifies their designs when necessary | <ul style="list-style-type: none"> • Design purposeful, functional, appealing products for themselves and other users based on design criteria. • Generate, develop, model and communicate their ideas through talking, drawing, templates, mock-ups and, where appropriate, information and communication technology. • Select from and use a range of tools and equipment to perform practical tasks (for example, cutting, shaping, joining and finishing). • Select from and use a wide variety of materials and components, including construction materials, textiles and ingredients, according to their characteristics. • Explore and evaluate a range of existing products. • Evaluate their ideas and products against design criteria. • Build structures, exploring how they can be made stronger, stiffer and more stable. • Explore and use mechanisms (for example, levers, sliders, wheels and axles) in their products. |
| Early Learning Goal | <ul style="list-style-type: none"> • Safely use and explore a variety of materials, tools and techniques, experimenting with colour, design, texture, form and function. • Share their creations, explaining the process they have used. • Make use of props and materials when role playing characters in narratives and stories. | | | |

| | Autumn 2 | Spring 2 | Summer 2 |
|--------|---|--|--|
| FKS1 | DT | DT | Cooking & Nutrition |
| | Toys | Let's look at products | Fantastic fruit |
| FKS2 | DT | Textiles | Cooking & Nutrition |
| | Hats | Three Bears Picnic Basket | Celebrating culture and seasoning |
| Year 1 | Construction Materials | Cooking & Nutrition | Mechanical Systems |
| | Doors and hinges | Fruit salad | Moving pictures |
| Year 2 | Cooking & Nutrition | Mechanical Systems | Textiles |
| | Sandwiches | Wheels and axles | Joining and fastening fabrics: Summer bag |
| Year 3 | Cooking & Nutrition | Construction Materials | Textiles |
| | Dips and dippers | Shaduf | Macrame keyrings |
| Year 4 | Cooking & Nutrition | Electronics | Mechanical Systems |
| | Bread | Night lights | Pneumatics: make a mascot |
| Year 5 | Cooking & Nutrition | Construction Materials | Mechanical Systems |
| | Celebrating culture and seasoning (soups) | Bird hide design and make challenge | Pulleys and gears; working with wheels and axles |
| Year 6 | Textiles | Cooking & Nutrition | Construction Materials |
| | Combining different fabrics | Celebrating culture and seasoning (salads) | Fairgrounds |