**Design and Technology Progression Document**

| Term/strand | EYFS | KS1 |
|---|---|---|
| Autumn Term 1<br><br>**STRUCTURES** | Boats | Constructing a windmill |
| Autumn Term 2<br><br>**TEXTILES** | Bookmarks | Puppets |
| Spring Term<br><br>**MECHANISMNS** | Lift the flap picture | Making a moving story book<br>*(knowledge check – make an Easter/Valentines card)* |
| Summer Term<br><br>**COOKING AND NUTRITIONS** | Fruit kebabs | Smoothies |

**KS2-Four year rolling programme**

| | Year A | Year B | Year C | Year D |
|---|---|---|---|---|
| **Autumn** | **Structures: Product Packaging**<br>Explore how 3D shell structures are created from nets, investigating their use in packaging and applying this understanding to create original designs. | **Mechanical Systems: Pneumatic Toys**<br>Exploring pneumatic systems, the children will apply their understanding to design and create a pneumatic toy using different ty[es of diagrams. | **Structures: Bridges**<br>Testing and analysing different bridges to determine their strength and stability. Exploring material properties and sources, before marking, sawing and assembling a wooden truss bridge. | **Mechanical Systems: Mechanical cars**<br>Making and designing mechanical cars that use different methods of movement. |
| **Spring** | **Textiles: Egyptian Collars**<br>This unit introduces cross stitch and applique. Children apply these skills to create an Egyptian collar. | **Textiles: Simple Stitches**<br>Children learn a variety of stitches – running, cross stitch, chain stitch and blanket stitch and create a Victorian Sampler. | **Textiles: Fastenings**<br>Evaluate a range of fastenings then make a fabric book sleeve. | **Textiles: Cushions**<br>Investigate how fabric shapes are used to create products while designing and making their own cushion. |
| **Summer** | **Cooking and Nutrition: Eating Seasonally**<br>Learn about seasonal foods and create a tart. | **Cooking and Nutrition: Adapting a recipe**<br>Adapt a biscuit recipe and consider budget. | **Cooking and Nutrition: Developing a recipe**<br>Learn about seasonal foods and nutritional content and make a bolognaise. | **Cooking and Nutrition: Come Dine with me**<br>Design and make a 3 course meal. |