

| | | | | |
|--------------|--|---|---|---|
| | investigating their shape and structures to build their own. | pupils apply their knowledge and skills to design and sew their own bookmarks. | backgrounds, creating the moving parts and assembling it. | |
| Y2 / Y3 | <u>Structures: Constructing a castle</u> (4 lessons) Learning about the features of a castle, children design and make one of their own. Using configurations of handmade nets and recycled materials to make towers and turrets and constructing a base to secure them. | <u>Textiles: Cushions</u> (4 lessons) Introduce two new skills to add to the pupils' repertoire: cross stitch and appliqué. Pupils apply their knowledge to the design, decoration and assembly of their own cushions. | <u>Mechanisms: Making a moving monster</u> (4 lessons) After learning the terms; pivot, lever and linkage, children design a monster which will move using a linkage mechanism. Children practise making linkages of different types and varying the materials they use to bring their monsters to life. | <u>Design and technology</u> <u>Unit: Cooking and nutrition: adapting a recipe</u> (Lesson 1) <u>Unit: Textiles: Fastenings</u> (Lesson 1) |
| Y4 / Y5 / Y6 | <u>Electrical systems: Torches</u> (4 lessons) Applying their scientific understanding of electrical circuits, children create a torch, designing and evaluating their product against set design criteria. | <u>Cooking and nutrition: What could be healthier?</u> (4 lessons) Researching and modifying a traditional bolognese sauce recipe to make it healthier. Children cook their healthier versions, making appropriate packaging and learn about farming cattle. | <u>Mechanical systems: Making a slingshot car</u> (4 lessons) Transforming lollipop sticks, wheels, dowels and straws into a moving car. Using a glue gun to, making a launch mechanism, designing and making the body of the vehicle using nets and assembling these to the chassis. | <u>Design and technology</u> <u>Unit: Mechanical systems: Pneumatic toys</u> (Lesson 1 and/or 2)) |
| Cycle C | Autumn 2 | Spring 2 | Summer 2 | Stand Alone Lessons |
| Y4 / Y5 / Y6 | <u>Craft and design: Ancient Egyptian scrolls</u> (5 lessons) Learning about the way colour, scale and pattern influenced ancient Egyptian art, children explore the technique of papermaking to create a papyrus-style scroll. Ideas are extended to create a modern response by designing a 'zine'. | <u>Drawing: I need space</u> (5 lessons) Developing ideas more independently, pupils consider the purpose of drawings as they investigate how imagery was used in the 'Space race' that began in the 1950s. They combine collage and printmaking to create a piece in their own style. | <u>Craft and design: Fabric of nature</u> (5 lessons) Using flora and fauna of tropical rainforests as a starting point, children develop drawings through experimentation and textile-based techniques to a design a repeating pattern suitable for fabric. | <u>Design and technology</u> <u>Unit: Textiles: Cross-stitch and appliqué</u> (Lesson 1) |