



## **Design and Technology at Rackenfurd Primary School**

### **Intent**

At Rackenfurd Church of England Primary School, we have planned our Design and Technology (D&T) curriculum using Cornerstones Curriculum Maestro with the intent that our children will gain an enjoyable experience of DT and one which improves their knowledge, skill and understanding in the subject.

We aim for children to become aware of how design and technology influences their lives and become resilient, independent, creative thinkers, and have a good understanding of the need for a high-level finish.

We will deliver a curriculum that:

- Develops the creative, technical and practical expertise needed to perform everyday tasks confidently.
- Enables children to be able to participate successfully in an increasingly technological world.
- Build and importantly apply knowledge, understanding and skills in order to design and make high-quality prototypes and products for a wide range of users.
- Evaluate and test their ideas, as well as others.
- Understand and apply the principles of nutrition and learn how to cook.
- Creates fun experiences that lead to life-long memories.

### **Implementation**

The Design and Technology curriculum is implemented using the resources from Cornerstones Curriculum Maestro which incorporates the statutory Design and Technology curriculum, as well as other experiences and developments in the following ways:

- The D&T at RPS follows the National Curriculum and is taught in each class across the school.
- Teachers have opportunities to link D&T with other topics and lessons.
- Food technology is taught so that children understand where food comes from, how to prepare and cook food as well as the importance of nutrition and a healthy diet.
- Throughout KS1 and KS2 children are provided with opportunities to design, make, evaluate and increase technical knowledge.
- The children have many opportunities to experience design and technology on educational visits such as the National Marine Aquarium.

### **Impact**

Children's understanding, knowledge and skills are assessed by teachers throughout the lessons. This informs differentiation, sequential lessons and further areas for development. This may also lead into other subject areas.

Pupils will:

- evaluate and test their ideas.
- be able to critically evaluate their and others' ideas and products.
- be able to apply their learning to their developing world around them.
- be able to build prototypes and finished articles which link with their initial ideas, and if not be able to explain why.
- be able to know basic recipes and methods for cooking, and understand the importance of healthy eating.