



## Roose Community Primary School Design and Technology Curriculum Intent, Implementation and Impact

### **Intent**

At Roose Community School we intend to build a Design Technology curriculum which is inspiring and practical. We want our children to use their creativity and imagination, to design and make products that solve real and relevant problems within a variety of contexts, considering their own and other's needs, wants and values. We intend all our children to acquire appropriate subject knowledge, skills and understanding as the statutory requirement of the National Curriculum. In addition to this it is our aim to create strong cross-curricular links, where possible and relevant, with other subjects, such as Maths, Science and Art. We believe that our Design and Technology curriculum should prepare our children, to give them opportunities, responsibilities, and experiences they need to be successful later in life.

### **Implementation**

Design and Technology is an important part of school life and learning and as a school we are dedicated to the teaching and delivery of a high-quality Design and Technology curriculum. The curriculum allows for progression across year groups in all areas of Design Technology (textiles, mechanisms, structures, food and electrical systems). Well planned and resourced projects provide our children with a hands-on and enriching experience. The range of skills being taught ensure our children are aware of health and safety issues relating to the tasks that are undertaken. Children are given the time and opportunities to be critical, inventive and reflective about their work. Each area of learning throughout school addresses the principles of designing, making and evaluating, incorporating relevant technical knowledge and understanding in relevant contexts.

The curriculum we follow encourages children to learn through a variety of creative and practical activities, through these activities children are equipped with the knowledge, understanding and skills to enable them to engage successfully with

increasing independence in the process of 'designing and making'. Children are able to learn from a range of existing products and use the knowledge gained when designing and making their own products. We want our children to be able to evaluate their products whilst considering the views of others and their own design criteria.

## **EYFS**

During the EYFS children explore and use a variety of media and materials through a combination of child initiated and adult directed activities. For example; through Expressive Arts children are encouraged to explore and create using a variety of materials, tools and techniques, experimenting with colour, design, texture, form and function. They have the opportunity to share their creations and explain the process they have used. Through Physical Development children also have the opportunity to develop their skills of using small tools, which include scissors, paintbrushes and cutlery. They are able to use and develop their imagination whilst creating collaboratively, sharing ideas, resources and skills. They also explore how things work as part of the Understanding of the World area of learning.

## **Impact**

To develop children's enjoyment and confidence through Design and Technology, which can then be applied to other areas of the curriculum. Through carefully planned and implemented learning activities the children will be able to develop creative, technical and practical expertise needed to perform everyday tasks confidently and to participate successfully in an increasingly technological world. They will gain a firm foundation of knowledge and skills that they will develop throughout their time in school and in their future. We believe that children should have the opportunity to use their creativity and imagination to solve a problem.

The emphasis in our Design Technology curriculum is that children will experience this subject in a wider context from foods around the world to looking at how kites have shaped the world we live in. There are cross-curricular links so that our children can see and appreciate how Design and Technology is integral to the modern world in which they live.