



### **Intent**

At Gosforth, we strive to inspire our children to develop a passion and natural curiosity for the world around them. We aim to harness a love of learning and inquisitiveness to allow our children to develop into young adults with the skills to consider careers in our local industries, including local STEM opportunities and with the main employer in the area, Sellafield Ltd. We intend to make these industries accessible to all our children through the high-quality, practical Design and Technology curriculum offered at Gosforth. We aim to inspire our pupils to solve real, relevant problems using their imagination, creativity and practical skills to master their understanding of the design and technology curriculum and develop their problem-solving skills for the wider world. Our children learn in a safe environment which allows them to take innovative, creative risks to bring their designs to life and build resilience. Design and Technology enables all children to apply skills learnt across other areas of the curriculum in enterprising and resourceful ways. At Gosforth, children evaluate design and technology of the past and present to develop a deep understanding of daily life and appreciate the role design and technology plays in our lives, culture and well-being.

### **Aims**

Our curriculum for design and technology aims to ensure that all pupils:

- Develop the creative, technical and practical expertise needed to perform everyday tasks confidently and to participate successfully in an increasingly technological world
- Build and apply a repertoire of knowledge, understanding and skills in order to design and make high-quality prototypes and products for a wide range of users
- Critique, evaluate and test their ideas and products and the work of others
- Understand and apply the principles of nutrition and learn how to cook

### **Implementation**

At Gosforth, Design and Technology is a cross-curricular, practical experience for our children, engaging them in real-life applications for the skills they have acquired across the curriculum. Children are taught to design, make and evaluate their own products, as well as existing products and the work of others in an age-appropriate, yet challenging and enjoyable way. Inspiring lessons are carefully planned to allow children to work across a range of contexts and with a wide range of materials. Our curriculum is driven by the creativity and passion of our children and inspiration is taken from relevant, relatable contexts and areas of interest. Our children have the opportunity to develop a wide range of technical, creative and practical skills and use these to their advantage as designers and creators, constantly evaluating their work and the works of others to make improvements. Children build on their skills each year to become confident, imaginative designers, who are able to engage with an increasingly technological world to design, prototype and make products for a range of targeted users.

We also place a large emphasis on the importance of healthy eating and instil a love of cooking and healthy eating into all of our pupils. Pupils are taught the importance of good nutrition and

have a thorough understanding of the food that they eat. They develop this crucial life skill throughout their time at Gosforth. They develop an understanding of seasonality and understand where the food they eat comes from, through well-planned learning opportunities.

### **Impact**

Our children develop the resilience to be creative designers and the critical thinking skills to evaluate their own work and that of others with confidence. They leave Gosforth with a range of practical skills, which they can draw upon to design, make and evaluate innovative products to solve problems in a range of contexts. Children leave Gosforth with practical skills, problem-solving skills, resilience and an understanding of all of aspects of the Design and Technology curriculum which gives them the confidence and creativity to pursue their interests as they begin the next stages of their education.