

## Design and Technology



### Intent

At Sunningwell Primary School we want our children to use creativity and imagination to design and make products that solve real and relevant problems within a variety of contexts, considering their own and others' needs, wants and values. We intend for all children to acquire appropriate subject knowledge, skills and understanding as set out in the National Curriculum. It is our aim to create strong cross-curricular links with other subjects, such as Mathematics, Science, Computing, and Art. It is our intent that DT is taught in all year groups through either discrete or cross-curricular projects. By the time children reach Year 6, they will have had experience of food tech, textiles, design, and construction; they should be confidently performing everyday tasks and applying their knowledge, understanding and an increased level of skills as they progress through the school. We want Design and Technology to prepare our children and give them the opportunities, responsibilities, and experiences they need to be successful in later life.

### Implementation

Through a variety of creative and practical activities over a rolling two-year cycle, that links to our termly topics, we teach the knowledge, understanding and skills needed to engage in the process of designing and making. Key skills and knowledge for DT have been mapped across the school to ensure clear progression through the year groups. Key concepts and technical vocabulary are also included in planning which follows an overall design, make, evaluate structure. Units on nutrition are taught ensuring that children have a growing understanding of where food comes from, its seasonality and the need for a healthy and varied diet. Children will complete three projects a year, either having one lesson a week or a one-day block to complete each project so that children are fully immersed in the design-make-evaluate process. This will allow children time to reflect upon their design and products and think of ways that they could be improved or adapted.

### EYFS

The Early Years Foundation Stage Curriculum supports children's understanding of Design and Technology through the planning and teaching of 'Expressing Arts and Design'. Children have access to a variety of resources within their continuous provision that helps to both develop and consolidate knowledge, skills and understanding when designing and making within their own play. Opportunities that include a wide range of construction material, including junk modelling, art resources and a cooking area in our outdoor learning environment are available to children, to enable them to do this.

### Impact

Children will have clear enjoyment and confidence in Design and Technology which they can then apply to other areas of the curriculum. Through carefully planned and implemented learning activities the pupils develop the creative, technical, and practical expertise needed to perform everyday tasks confidently and to participate successfully in an increasingly technological world. Children learn how to take risks, becoming resourceful, innovative, enterprising, and capable citizens. Through the evaluation of past and present design and technology, they develop a critical understanding of its impact on daily life and the wider world.