



Wormholt Park Primary School

# DESIGN AND TECHNOLOGY



*"Design is a funny word. Some people think design means how it looks. But of course, if you look deeper, it's really how it works." - Steve Jobs*

At Wormholt Park, we believe that Design and Technology prepares children to look forward and deal with a rapidly changing world. It encourages them to think imaginatively and become problem solvers who can work well independently and with their peers.

It is our intent at Wormholt Park that, as a result of our curriculum, children develop their creative and technical knowledge and skills through purposeful and practical activities within a variety of different contexts. From a young age, they are taught to be designers and problem-solvers through well-resourced lessons, support and resources alongside direct teaching with our full-time Art and Design specialist teacher.

During their time at Wormholt Park Primary, children are able to learn about the different processes of design via structural design, mechanical and electrical systems, textiles, and food production and nutrition. Through investigation and market research, they have time to reflect on and evaluate past and present technologies, considering its uses, values and impact to society. From this, children follow the design cycle:

- **Design** - use research and develop design criteria to design for a purpose that take into consideration the needs, wants and values of themselves and/or their target audience.
- **Make** - use a wider range of tools and equipment with accuracy and use a wider range of materials and components according to their qualities
- **Evaluate** - evaluate their ideas and products against their own design criteria and consider the views of others to improve their work

In every year group, children are encouraged to be risk-takers, encountering and taking on problems with resilience through inventiveness and resourcefulness. Wherever possible, cross-curricular links are made with maths, science, computing, history, geography and art, allowing children to build upon, develop and extend their prior learning in a different context.