



## Design and Technology

### Intent

At Burford Primary School, we provide a DT curriculum that is creative, inclusive, challenging and inspired by the real-world. It encourages and motivates future thinkers, innovators and problem solvers. It promotes curiosity and supports high-quality teaching and learning. Through this carefully planned curriculum we enable all children to reach their full potential. By focusing on the Burford Values of perseverance and resilience, children understand that progress can be achieved by making mistakes and learning from them.

### Implementation

Design and Technology lessons provide children with a variety of creative and practical activities. Pupils are taught the knowledge, understanding and skills needed to engage in an iterative process of designing and making, whilst working in a range of relevant contexts. When designing and making, pupils are taught to: use research and develop design criteria to inform the design of innovative, functional, appealing products that are fit for purpose. They generate, develop, model and communicate their ideas through discussion, annotated sketches, cross-sectional and exploded diagrams, prototypes, pattern pieces and computer-aided design. By investigating and analysing a range of existing products, children learn to evaluate their ideas against a design criteria and learn the importance of carefully considering the views of others to improve their work.

### Impact

We believe that effective assessment of children's learning helps us to ensure that each child achieves or exceeds the expected levels of attainment. We use a variety of formative and summative assessment tools to assess children's DT skills and knowledge. We use KWL grids (what you know, what you want to find out and what you have learned), daily marking, verbal and written feedback, a variety of open and closed questioning strategies and specific success criteria.

By the end of each topic, all children should demonstrate an improved understanding of the National Curriculum content that has been taught and learned. We ensure children's progress is monitored towards the key threshold concepts by recording them through each milestone, which enables a clear overview of progression at the end of the year.