



## SUBJECT ON A PAGE FOR DT

### Why we teach Design and Technology

At Belmont, we aim to foster a lasting interest in Design and Technology, alongside a genuine enjoyment and appreciation of its importance in the world around us. We build on children's natural curiosity and creativity, encouraging them to ask questions, solve problems and explore how things are designed and made.

Through a range of practical, hands-on experiences, pupils develop a secure understanding of key design concepts, materials and processes. Design and Technology enables children to apply learning from across the curriculum, in meaningful and engaging contexts.

We place strong emphasis on developing technical and creative skills, including designing, making, evaluating and improving products. Pupils are supported to think and work like designers, developing confidence in taking risks, testing ideas and learning from mistakes.

Our DT curriculum also helps pupils recognise the relevance of design in their everyday lives—supporting their understanding of innovation, sustainability, health and wellbeing, and the role design plays in shaping the wider world.

### Curriculum Overview

We believe that high-quality, engaging DT lessons inspire children to think creatively and develop their problem-solving skills. Our Design and Technology curriculum, supported by the Kapow Primary scheme, is designed to build a coherent and progressive understanding of key concepts across areas such as structures, mechanisms, textiles, electrical systems and cooking and nutrition.

Kapow provides a clear progression of knowledge and skills, ensuring that pupils revisit and build upon prior learning. Children develop both substantive knowledge (materials, tools, techniques and processes) and disciplinary knowledge (how designers think, create and evaluate).

Pupils are encouraged to reflect on their learning and understand clear intended outcomes. Opportunities for designing, making, testing and evaluating are embedded throughout, allowing children to assess their own work and make meaningful improvements.

Our curriculum equips pupils to think creatively, solve problems, evaluate ideas and develop informed responses to design challenges in the world around them.

### Teaching and Learning

At Belmont, Design and Technology is delivered through carefully structured learning sequences, drawing on the Kapow Primary scheme to ensure consistency, progression and full coverage of the National Curriculum. Lessons are practical and purposeful, enabling pupils to engage in the full design process.

Our approach includes:

- Well-sequenced lessons that build on prior knowledge
- Use of Kapow resources to support teacher subject knowledge and planning
- Opportunities for practical making, problem-solving and enrichment activities
- Use of knowledge organisers to support key vocabulary and concepts
- Retrieval practice to strengthen memory and understanding

Teachers adapt Kapow materials to meet the needs of their classes, ensuring all pupils can access the learning while maintaining high expectations.

### Outcomes for pupils

Our Design and Technology curriculum ensures clear progression in both knowledge and skills across all year groups. Through the use of Kapow, pupils develop a secure understanding of key concepts, techniques and vocabulary across all areas of DT.

We measure impact in a range of ways, including:

- Ongoing formative assessment within lessons
- Retrieval activities to support long-term memory
- Pupil discussions and opportunities to 'talk their learning'
- Outcomes that demonstrate designing, making and evaluating skills
- End-of-unit quizzes that demonstrate understanding

We also celebrate DT through learning showcases and opportunities for pupils to share their work with parents and the wider community. As a result, pupils leave Belmont as confident, creative designers who can think critically, solve problems and engage with the designed world around them.