



Design and Technology Curriculum Design

Intent: What are our aspirations for our children in Design and Technology?

Through our curriculum design, we aim to equip our children with the knowledge, skills, confidence, enthusiasm and creativity to enable them to enjoy, design and make products that solve real and relevant problems. At the heart of everything we do, children build resilience and perseverance and our design and technology curriculum contributes to this as all pupils are given the opportunity to experiment, invent and create their own unique pieces. We aspire to give them skills and a broad range of knowledge as they draw on maths, science, engineering, computing and art. They will learn to take risks, be resourceful and enterprising which will contribute to their cultural capital. There will be an understanding of how design technology impacts on daily life and the well-being of the nation.

Implementation: How do staff implement our curriculum?

- **Design and technology units last for differing lengths of time.** They will often link to a topic that is being covered in other areas of the curriculum. They will include cooking and nutrition, and learning about healthy lifestyles and they may involve working in a range of different contexts eg Forest School.

- **Each unit starts with** a review of skills that have been learnt before.
- **Art Sketch Books may be used to record** the children's design ideas and techniques and will reflect the development of designing, making, evaluating and technical knowledge. The sketchbooks will form a record of the child's work with children able to revisit skills they have been taught.
- **A variety of units are taught** using a range of materials and medium and developing a wide range of design and technology techniques.
- **Differentiation with lessons.** Support will be given to children dependent on their needs. Children with SEND may be provided with different equipment, expectations may vary.
- **Opportunities to appreciate works of Designers.** Throughout a child's time in school they may study the work of famous designers.
- **A variety of extra-curricular clubs** which may include exploring design and technology techniques

Impact: How has our curriculum made a difference to our children?

During the implementation of our Design and Technology curriculum

- We will assess children's progress in Design and Technology to inform the planning of the next units of learning and ensure development of children's skills and knowledge.
- Children will develop a sketchbook which will reflect their progress, and provide a record of the skills and knowledge they have learnt.
- We will make links across subjects so that children will gain an understanding of the role design and technology has played..
- We will provide a variety of opportunities to encourage and celebrate talent