

Subject Leadership:

Mrs. Morris is the Design and Technology lead and is responsible for ensuring that the teaching and learning of s is engaging and progressive throughout school from F1 to Y2.



Curriculum Design:

The curriculum has been developed using Development Matters and the National Curriculum, that prioritises progression, embeds knowledge and links to prior learning and enjoyment.

Curriculum Intent:

Design and technology teaching and learning prepares pupils to participate in tomorrow's rapidly changing world. Design and technology in our school is about developing the children's ability to learn to produce practical solutions to real problems, with the ability to reflect on and evaluate design. Design and technology in our school is about developing children's ideas and ways of working that enable them to make sense of the world in which they live through creative thinking and problem-solving. Design and technology is also a collaborative activity where ideas and suggestions are shared and investigated together. Through practical activities and team work, children experience and learn how to work together have mutual respect for one another and value social cohesion. We also develop positive attitudes towards design technology through a problem-solving approach. We aim to foster open-mindedness, self-assessment, perseverance and responsibility.

Our Vision:

We believe that a broad and balanced design and technology education is the entitlement of all children, regardless of ethnic origin, gender, class, aptitude or disability. Our aims in teaching design and technology include:

- Preparing our children for life in an increasingly scientific and technological world.
- Helping our children acquire a growing understanding of ideas within design and technology.
- Helping develop and extend our children's technological concept of their world.
- Developing our children's understanding of the collaborative nature of design and technology.

Subject Skills:

- Giving our children an understanding of the **iterative** design process.
- Helping our children to acquire practical design and technological skills in the EYFS such as fine motor skills and through *The Characteristics of Effective Teaching and Learning*.
- Developing the skills of design and technology in KS1: *Designing, making, evaluating, technical knowledge, cooking and nutrition and textiles*.
- Developing the use of technological language, recording and the use of ICT where appropriate. Enabling our children to become effective communicators of design and technological ideas, facts and data.

Subject Enrichment/Wider school Curriculum:

Each design and technology challenge is intentionally linked to each theme within the whole school curriculum plan and is purposefully planned within a relevant scenario appropriate to the age and development of the children.

Within each challenge there is an inherent connection to skills, knowledge and understanding from the wider curriculum which the children will need to draw upon. For example, language and communication skills, maths skills such as measuring, knowledge of materials and food from science and finishing techniques from art.