



Inspiring Futures: Making Memories
Learning Creatively with:
High Expectations. Integrity. Respect. Resilience. Determination.



Springfield Primary Academy

Design and technology statement of intent

Design and technology is an inspiring, rigorous and practical subject. Using creativity and imagination, pupils design and make products that solve real and relevant problems within a variety of contexts, considering their own and others' needs, wants and values. They acquire a broad range of subject knowledge and draw on disciplines such as mathematics, science, engineering, computing and art. Pupils learn how to take risks, becoming resourceful, innovative, enterprising and capable citizens. Through the evaluation of past and present design and technology, they develop a critical understanding of its impact on daily life and the wider world. High-quality design and technology education makes an essential contribution to the creativity, culture, wealth and well-being of the nation.

At Springfield, DT follows the design, make and evaluate cycle which is relevant to real life contexts, to give meaning to learning.

In Key Stage One, children learn about purposeful and functional design based on a design criteria. While making, children will be given the choice of a range of appropriate tools and equipment to create their design. Children then evaluate their design and ideas against a design criteria.

In Key Stage Two, children build on their prior knowledge and skills. Children generate and develop design ideas through annotated sketches, cross-sectional and exploded diagrams, prototypes, pattern pieces and computer-aided design. To make their design, children select from and use a wide range of tools and equipment to perform practical tasks accurately. They evaluate their ideas and products against their own design criteria and consider the views of others to improve their work. Each of these steps are deep-seated in technical knowledge and vocabulary.

Across both key stages, children also explore the principles of a healthy and balanced diet to prepare food.

At Springfield Primary Academy, children will have the opportunity to learn how to take risks, become resourceful, innovative and enterprising citizens. Through the evaluation of past and present design and technology, they will develop a critical understanding of its impact on daily life and the wider world. High-quality design and technology education makes an essential contribution to the creativity, culture, wealth and well-being of the nation, and at SPA we believe that our pupils have a part to play in shaping the world to become a better place.