"Where responsible, respectful, caring and resilient children and adults strive to be the best versions of themselves."

Responsibility   Respect   Care   Resilience

Design & Technology Statement of Intent, Implementation and Impact

Intent

At Wherwell Primary School, we aim to give our children a broad and balanced view of the Design and Technology curriculum. The children will design and make products that solve real and relevant problems within a variety of contexts, considering their own and others' needs, wants and values, with particular emphasis on our own school values of Resilience, Respect, Care and Responsibility.

Through the study of D&T pupils acquire a broad range of subject knowledge and draw on disciplines such as mathematics, science, engineering, computing and art. We want them to become creative thinkers who can use resilience to solve a design problem whilst using a range of technical skills and knowledge to become resourceful, innovative, enterprising and capable citizens. High-quality Design and Technology education makes an essential contribution to the creativity, culture, wealth and well-being of the nation.

Implementation

To ensure high standards of teaching and learning in design and technology, we implement a curriculum that is progressive throughout the whole school. Design and technology is taught termly with a specific focus on the knowledge and skills stated in the National Curriculum. The design and technology curriculum at Wherwell Primary School is based upon the 2014 Primary National Curriculum in England, which provides a broad framework and outlines the knowledge and skills taught in each Key Stage. Teachers plan for their class using our progression of knowledge and skills documents. Teachers can use these documents to plan their design and technology lessons suitable to their class's interests and what they want to learn about, ensuring that learning is engaging, broad and balanced. The progression document ensures the curriculum is covered and the skills/knowledge taught is progressive from year group to year group. Clear and appropriate cross curricular links are included to underpin learning in areas across the curriculum giving the children opportunities to learn life skills and apply skills to 'hands on' situations in a purposeful context.

Each topic of D&T at Wherwell will follow a similar structure which begins with evaluating existing products and analysing their strengths and weaknesses. The children then plan their own design using a specific design criteria, keeping in mind features they liked from tried and tested products. At this point, children are also taught how to use specific D&T tools that they might need within their particular unit safely. The children then make their product and finally evaluate it against their design criteria. At Wherwell, we encourage our core values of Resilience, Respect, Responsibility and Care at every stage of this process.

Impact

Our Design and Technology curriculum enables and encourages our children to become critical thinkers. Children will have clear enjoyment and confidence in Design and Technology that they will then apply to other areas of the curriculum. They will embrace our core values of our core values of Resilience, Respect, Responsibility and Care throughout the process. Ultimately, they will know more, remember more and understand more about Design Technology, demonstrating this knowledge when using tools or skills in other areas of the curriculum and in opportunities out of school. As designers children will develop skills and attributes they can use beyond school and into adulthood such as learning to take risks and becoming resourceful, innovative and enterprising individuals.