



A School Family Learning for Life in all its Fullness (John 10:10)

Flourish

Aspire

Achieve

Our Values and Expectations

Curriculum Threads

Our Values

Our Place in the World

Our Well-Being

Our Voice

Our Aspirations

Intention

Subject

At Mary Dean's our aim is to provide a rich and varied curriculum, focused on the delivery of the knowledge, skills, attitudes and values we feel every child needs – thus providing the basis for academic success, a life-long love of learning, and ultimately for our pupils to flourish, aspire and achieve.

Design and Technology

Design and Technology is an inspiring practical subject, which has a vital role in contributing to a balanced curriculum. It is a subject that allows children the opportunity to think creatively and solve practical problems preparing pupils for the responsibilities, opportunities and experiences in later life. We have built a Design and Technology curriculum for all children to acquire appropriate subject knowledge, skills and understanding as set out in the National Curriculum. Pupils will have the opportunity to design, make and evaluate alongside gaining technical knowledge and the skills needed to thrive in, as the National Curriculum states, an increasingly technological world. We aim to create strong cross-curricular links with subjects such as, Science, Mathematics, Computing and Art allowing the children to become resourceful and explore their creativity.

At Mary Dean's, our aim is to encourage children to use their imagination and give their ideas and views through the purposeful learning opportunities we offer. The children are given opportunity to explore, reflect upon and evaluate past and present design technology and are encouraged to become problem solvers in their own right considering both their own and other's wants and values.

Implementation

Through a variety of creative and practical activities, we teach the knowledge, understanding and skills needed to engage in the process of designing, making and evaluating. We strive to deliver clear and comprehensive schemes of work that are in line with the National Curriculum. Through well-planned and resourced lessons, we aim to provide children with hands on enriching experiences. The teachers at Mary Dean's are given ownership and flexibility to plan; often teaching Design and Technology as a block of lessons allowing the children time to be both inventive and reflective. Our units build upon prior knowledge and children will learn how Design and Technology impacts daily life and the wider world.

Children will be introduced to designers and inventors from a range of time periods and cultures alongside completing objectives set out in a 2-year curriculum plan. This meaning, teachers will plan in the Year 1 and Year 2 objectives across their 2-year rolling programme making cross curricular links in each unit of work. The same will happen in Year 3 and Year 4 and Year 5 and Year 6. Through our Design and Technology curriculum, pupils are taught to select and use appropriate tools safely and effectively to make a product.

	<p>Skills are taught and shared ensuring all pupils are aware of the health and safety issues relating to tasks undertaken. This is vital when working with a range of materials, tools, resources and medias. In all areas of Design and Technology the children are encouraged to consider the effectiveness of their designs and requirements of the product.</p>
<p>Impact</p>	<p>The impact of the teaching of Design and Technology is assessed in a number of ways ensuring inclusion for all. Through carefully planned and implemented learning activities the pupils develop the creative, technical and practical expertise needed to perform everyday tasks confidently and to participate successfully in an increasingly technological world. Work throughout the year is assessed against the intended curricular goals. The class teacher assesses pupils' skills during lessons by formative assessment, peer assessment and sometimes, pupil presentations. Pupils evaluate their work by completing self-assessments, which consist of a photograph of their final product alongside comments on what they would change or do differently next time. Work is often showcased around the school showing that here at Mary Dean's our Design and Technology vision is to inspire children to be curious, creative, skilful and reflective learners.</p> <p>Design and Technology in Early Years is taught through both adult directed and child-initiated activities with the curricular goal being for children to:</p> <ul style="list-style-type: none"> *Safely use and explore a variety of materials, tools and techniques experimenting with colour, design, texture, form and function. *Share their creations, explaining the process they have used. <p>Early Years pupil progress and attainment tells us whether each individual child is emerging or at an expected level for their age. Careful planning and questioning are some other methods of measuring the impact and outcome. Books are to be looked at by the subject lead who can then ensure the aims of the Design and Technology curriculum are being met and worked towards. This then informs the Design and Technology coordinator of any further areas for curriculum development, pupil support and or training requirements for staff.</p> <p>Ultimately, the children at Mary Dean's will become skilful, reflective learners who can solve problems as thinkers or by applying their practical skills and knowledge.</p>