

SUBJECT ON A PAGE

Design & Technology

AT RIDGEWAY FARM WE BELIEVE DESIGN AND TECHNOLOGY DEVELOPS CHILDREN'S SKILLS AND KNOWLEDGE IN DESIGN, STRUCTURES, MECHANISMS, ELECTRICAL CONTROL AND A RANGE OF MATERIALS, INCLUDING FOOD. IT ENCOURAGES CHILDREN'S CREATIVITY AND ENCOURAGES THEM TO THINK ABOUT IMPORTANT ISSUES.



Intent – We aim to...

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



A broad range of subject knowledge and draw on disciplines such as oracy, mathematics, science, engineering, computing and



We aim to develop the whole child. We have a Design and Technology curriculum that meets the National Curriculum and that develops many skills in the children.



Make products that solve real relevant problems within a variety of contexts, considering the user, purpose of products and the user's wants.



Opportunities to reflect upon and evaluate past and present design technology, its uses and its effectiveness and are encouraged to become innovators and risk-takers.



Implementation – How do we achieve our aims?

We use a scheme called Projects on a Page, which was developed by The Design and Technology Association. Using the scheme ensures our curriculum is progressive and meets national curriculum expectations. Every two years the children develop their skills and knowledge in designing, making and evaluating in the key strands in Design and Technology (Structures, Mechanisms, Textiles, Food and Electrical systems in Key Stage 2). 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.

Impact – How we will know we have achieved our aims



Teachers make formative assessments against objectives and use this information to inform future lessons; ensuring children are supported and challenged appropriately. Children are given an assessment on their end of year reports and this is shared with parents.

Key knowledge, skills and vocabulary for Design and Technology have been mapped across the school to ensure progression year on year. All teachers have access to progression maps to differentiate learning for those children who have gaps in their learning or who have SEND needs. Design and technology lessons are taught once a term as a block so that children's learning is focused throughout each unit of work and the children can discuss previous learning and see their progression.

