Design Technology at Rossett Acre

Ensuring excellence and happiness for all by combining the learning of new skills with creativity and independent thinking.

The Design Technology curriculum at Rossett Acre is a practical an inspiring subject that intends to be meaningful and memorable. Using creativity and imagination, pupils design and make products that solve real and relevant problems within a variety of contexts. This encourages and inspires pupils of Rossett Acre to want to make an impact in the wider world.

We encourage children to work collaboratively or individually to consider other's needs, wants and values. We inspire our children to innovate and take risks to become designers of the future, whilst critically evaluating past and present design. At Rossett Acre, projects within Design Technology are often cross-curricular and support a broad range of subject knowledge in subjects such as: mathematics, science, engineering, computing and art.

Design Technology in Early Years

As part of their Early Learning Goals, children safely use and explore a variety of materials, tools and techniques, expressing their ideas, thoughts and feelings by experimenting with colour, design, texture, form and function. They use a range of everyday technology including PCs and iPads to record their work.

Design Technology in Upper Key Stage 2

Children research and collaboratively think about specific function and purpose when designing their products. They use pattern pieces and prototypes to work with increasing accuracy and are encouraged to use more complex tools and materials independently. Children also use computer technology when designing and controlling their products.

Design Technology

Design Technology in Lower Key Stage 2

Children look at existing products and use annotated designs to plan products for a range of purposes. They increase their knowledge of how to use a wider variety of tools and materials as well as other components to control product mechanisms. Children learn about how foods are processed and use a heat source to prepare savoury dishes.

Design Technology in Key Stage 1

Children are introduced to a variety of new skills and use a range of materials such as fabrics, easy to handle wood, card and boxes. They use tools and resources such as hack saws, hand drills, split pins, masking tape and glue to cut, join and shape their products. Children learn about which foods are healthier than others and combine a range of ingredients to prepare simple dishes.