



Middlefield Primary Academy – Design and Technology

The purpose of education at Middlefield Primary Academy is to develop each child to 'be the best that they can be' beyond learning at school. The aim is to nurture, inspire them and allow them to flourish with the opportunity to choose their own future!

The chance to learn through a creative curriculum builds confident, resilient and adaptable characters who are inspired to think critically and imaginatively within a variety of contexts. With links to mathematics, science, engineering, computing and art, pupils learn to take risks, becoming resourceful, innovative, enterprising and capable citizens who will be able to make an essential contribution to our nation.

Design and Technology is a rigorous and practical subject and gives pupils the chance to design and make products that solve real and relevant problems. At Middlefield, children will have the opportunity to build their knowledge and skills in the process of design, making and in evaluating their own projects. Tasks and activities will be linked to their termly topics and will include developing an understanding of nutrition and learning how to cook. They will develop the creative, technical and practical expertise needed to perform everyday tasks, to participate successfully in project work and to become more confident in taking on challenges in an increasingly technological world.

Key concepts

1. **Design:** generate ideas, development, communication.
2. **Make:** use of appropriate tools, materials, textiles, ingredients.
3. **Evaluation:** analysis of design, making improvements.
4. **Technical knowledge:** applying appropriate knowledge to support practical activity.
5. **Cooking and nutrition:** understanding ingredients and methods.