

Design and Technology

STATEMENT OF INTENT



MYTHAM VISION STATEMENT for Design and Technology

At mytham, our DT Curriculum provides plenty of opportunities for the children to learn, apply and develop essential skills required in the disassembly, designing, making and evaluating of an effective product for a given purpose. We want to ensure children understand these 4 fundamental steps in order to produce an effective product. This will allow the children to explain their process and understanding, and produce a sense of pride and achievement for the children.

In addition, we ensure children are well-equipped with useful technical knowledge to support them in the design and making of their product. We provide opportunities for children to work with industry professionals to gain further knowledge regarding a specific job and what it entails. For example: working with a seamstress in Y3/4 to create their own archology bag. Other examples are learning how to strengthen a structure to make it more stable, learning how to use mechanisms/electrical systems in their designs and learning how to use computer programming to control a product. At Mytham, we also collaborate with The Bridge Society who assist with the 'Cotton, Coal and Canals' which is a 'Bridges' unit of work. This topic links to the heritage of our local area Little Lever. A select number of children go off site and learn about the structures of bridges, they then feed this back to the children in school.

A separate strand children are taught is catering. We believe these vital life skills such as peeling, cutting, chopping, weighing, measuring and more, are fundamentals to a child's growth. As we believe this is an important part of the curriculum we take part in 'Masterchef', this exciting opportunity allows children to design and make a dish together under the atmosphere of an offsite kitchen with other schools competing too. This event creates motivation and the thirst to learn and succeed.

All pupils access the full Design and Technology units, Mytham's DT curriculum supports each child effectively with the skills and knowledge required for that specific unit.

Furthermore, the school aims to develop the children's use and understanding of technical vocabulary associated with this subject, this we believe to be another fundamental. This is to ensure that children can articulate the skills that they have applied, the equipment that they have used and describe the materials and features of the product that they have made using a brief/specification. Lastly, children are made to use their problem solving skills if they should encounter a problem when testing the product, their newly found knowledge and skills will assist with this or in turn, enhance their product further.