Design and Technology

Intent

Design and technology is an inspiring, rigorous and practical subject. At Fazakerley Primary School, we strive to give our children the very best experiences in Design and Technology that promote creativity and imagination.

It is important for our children to design for a purpose and to make products that solve real and relevant problems and that consider their own and others’ needs, wants and values.

Our curriculum aims to prepare the children for a technological world, through the promotion of the development of skills and to inspire children for future learning and careers.

Fazakerley Primary School nurtures independent learners who persevere and the DT curriculum aims to support this through the iterative process that show that prototypes can be improved following skilful critique, evaluating and testing of a product until a final model is produced.

We know that the successful performance of the many skills within DT require a solid repertoire of subject knowledge that also draws on other disciplines and that the two intertwined with allow children to make high quality prototypes for a wide range of users.

Our pupils learn to take risks, they develop resilience through the DT process of making and evaluating and then improving their work. Children learn to develop their experiences by evaluating both their work and the work of others.

Our children are taught the vocabulary that allows them to unlock their learning and progress and explore the subject fully.

We believe our children should be educated about healthy eating when learning about nutrition and how to live a healthy lifestyle. Our Design and Technology curriculum includes cookery teaching delivered by qualified caterers. This enrichment ensures our children are exposed to methods which aims to develop a practical expertise to develop this everyday life skill of cooking. It also ensures quality CPD for our teachers who remain present for the entirety of these sessions. School will also be engaging in a ‘Health Week’ to promote a healthy lifestyle. Key Stage 1 children will understand where food comes from and Key Stage 2 children will prepare and cook a variety of predominantly savoury dishes.

We want to inspire our children and give them aspirations. The DT curriculum provides opportunities for children to explore future careers and opportunities. We will engage with external sources locally to offer experiences linked to our curriculum to promote aspirations and enhance learning.

Design and Technology is celebrated at Fazakerley Primary School. Our children are encouraged to work hard and succeed in this subject. This positive work ethic in turn brings raised self-esteem and pride in their work, demonstrating that they can aspire to be the designers of the future, because they believe in themselves.

The Design and Technology curriculum has been designed to ensure there is good progression and deepening of skills and development of a broad range of knowledge throughout the school. Our curriculum promotes using tools correctly, confidently and with growing proficiency.

Implementation

Design and technology is taught discretely in a continuous block of time at both Key Stage 1 and 2. This ensures the process of designing, making and evaluating can be worked through without interruption. Other disciplines including maths, science, computing and art are drawn upon throughout topics.

As well as the discrete teaching, DT also features strongly during enrichment weeks in school including Enterprise week, STEM week (science, technology and maths), health week (nutrition)

Design and Technology is taught as a subject in its own right, but there are also overlaps to special enrichment weeks in school, eg STEM week when there are links with Science and Maths for example.

Each child has their own sketch book used to record their work which follows them throughout their time at our school. This evidences the progress made year on year. In addition to this, each class teacher has their own sketch book which is used for staff to explore, record and create their own ideas and model this to children. Staff also ensure to model the correct use of any equipment used.

At Fazakerley Primary School this year, we have revised the curriculum map and medium term planning for DT across the school. Our Design and Technology curriculum is engaging and promotes enjoyment in learning.

We subscribe to the DATA The Design and Technology Association which supports CPD in school in improving teaching and learning in Design and Technology specifically.

Impact

End of year milestones have been identified for each year group which highlight essential knowledge, skills and understanding and children are given opportunities to demonstrate their learning.

We are constantly reviewing, revisiting and evaluating what knowledge and understanding pupils have gained against expectations.

As a school we moderate termly to endure progression and to identify what difference has been made to pupils’ learning.