Design and Technology at Eastfield Primary School

Intent

At Eastfield Primary, we believe that the teaching and learning of Design and Technology is essential to the development of all the pupils in the world we live in today. Children are encouraged to develop a greater understanding and knowledge of technology, as well as their safe use of it. The skills required by Design and Technology curriculum gives our children an opportunity to develop and enhance techniques that may be required later in life. DT also enables children to develop creativity and imagination as pupils deign and make products that solve real ad relevant problems within a variety of contexts, considering their own and others' needs, wants and values. Our Design and Technology curriculum is split into 6 core skills (one skill per half term): Food, Materials, Textiles, Electricals and electronics, Construction, Mechanics. These techniques have been purposefully selected to reflect the children's needs and link to our themes. They have been linked throughout the curriculum to support the children's learning further as this encourages them to take risks, become more resourceful and allows them to repeat the process contributing to our core value of resilience.

Implementation

At Eastfield Primary school, Design and Technology is incorporated into each term's topic. The main skills are taught within each year group through two projects each term allowing the children to experience and develop these crucial skills. These projects have been designed to include the main elements of designing, making and evaluating whilst developing the children's technical knowledge. Each project is strongly linked to Maths and Science as well as each termly theme allowing the children to make links and achieve a deeper understanding. The outcomes of the projects are recorded in DT books through the use of detailed plans, design criteria, photo evidence of the skills being used and an informative evaluation. These are assessed through our age related expectations at the front of the child's book, allowing an accurate assessment to be made throughout the year.

Impact

Design and Technology will impact Eastfield learners in these ways:

- They will evaluate, test, and critique their products as well as those of others
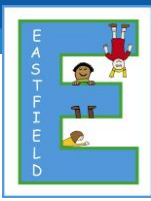
- They will apply knowledge, understanding and skills in order to design and create products for a wide range of users or to solve a problem
- They will explore and use a range of materials to create a working product
- They will understand and apply the principles of nutrition and learn how to cook