

Curriculum Statement for Design and Technology

at Earley St Peter's CE Primary School



Intent

At Earley St Peter's, we aim to develop our pupils' creativity and imagination by providing opportunities for them to design and create innovative, functional and appealing products. By encouraging confident, resilient learners, we are enabling children to critique and evaluate their own and others, ideas and products. We recognise the importance of giving children the expertise needed in order for them to have good foundations to be able to participate successfully in an increasingly technological world. We aim to build and apply a repertoire of knowledge, understanding and skills which allows them to design and make high-quality prototypes and products for a diverse range of users. Children will broaden their understanding and apply the principles of nutrition and cooking.

Implementation

In Key Stage 1 the children will learn to design purposeful, functional and appealing products that are based on design criteria. They will develop their use of tools to perform practical tasks and experiment with a range of materials. They will learn to evaluate products and suggest how they could be improved. Children will develop their understanding of how structures can be made stronger and more stable and explore the use of mechanisms such as levers and sliders. They will learn how to prepare and create dishes that can be eaten as part of a healthy, balanced diet.

In Key Stage 2 the children will learn to design innovative, functional and appealing products that are fit for purpose. They will learn how to communicate their ideas through annotated sketches, exploded diagrams and by creating prototypes. Children will learn to use a wider range of tools, equipment, materials and components to perform practical tasks accurately. They will learn to evaluate their ideas and products and consider the views of others to improve their work. They will apply their understanding of how to strengthen, stiffen and reinforce materials to create more complex structures. They will learn how to use mechanical and electrical systems within their products. Children will prepare and cook dishes using a range of cooking techniques.

Impact

Through our Design and Technology curriculum, pupils will develop their creativity and imagination during the designing process, regardless of their ability or background. Pupils will be equipped with

construction, sewing and cooking skills while learning to problem solve and develop their ability to evaluate and constructively critique their own and others work.

Assessment

Assessments of the children's knowledge and understanding will be ongoing throughout the year. Assessments will be made using observations, discussions and by judgement of the finished products that children have produced and how well they meet the design criteria. A summative assessment of whether a child is working at age related expectations plus their attitude to learning Design and Technology will be reported to parents/carers in a written annual report.

Written by Miss Purdy

Subject Leader for Design and Technology