Design and Technology – Curriculum Design

Purpose of Study

Design and technology is an inspiring, rigorous and practical subject. Using creativity and imagination, pupils design and make products that solve real and relevant problems within a variety of contexts, considering their own and others' needs, wants and values. They acquire a broad range of subject knowledge and draw on disciplines such as mathematics, science, engineering, computing and art. Pupils learn how to take risks, becoming resourceful, innovative, enterprising and capable citizens. Through the evaluation of past and present design and technology, they develop a critical understanding of its impact on daily life and the wider world. High-quality design and technology education makes an essential contribution to the creativity, culture, wealth and well-being of the nation.

What are the aims of the subject?

The national curriculum for design and technology aims to ensure that all pupils: ♣ develop the creative, technical and practical expertise needed to perform everyday tasks confidently and to participate successfully in an increasingly technological world ♣ build and apply a repertoire of knowledge, understanding and skills in order to design and make high-quality prototypes and products for a wide range of users ♣ critique, evaluate and test their ideas and products and the work of others ♣ understand and apply the principles of nutrition and learn how to cook

Design and Technology At Rodbourne Cheney Primary School

At Rodbourne Cheney Primary School, we want Design and Technology (DT) to be an important creative discipline that helps us to understand and change the World. We want all pupils at Rodbourne Cheney Primary School to experience the beauty, power and enjoyment of DT and develop a sense of curiosity about the subject.

At Rodbourne Cheney Primary School, we foster positive attitudes, believe all children can achieve in DT, and teach for secure and deep understanding of skills and concepts. We use trial and error as an essential part of learning and provide challenge through questions and

continual feedback. We endeavour to provide an exciting and stimulating environment for the children to learn DT, fostering positive, confident attitudes.

Our curriculum will ensure that there is clear progression of skills through primary stage. Each project will ensure that the children have the opportunity to design, make, evaluate and gain technical knowledge.

DT is important to our school and the children who attend as we want them to be confident and successful as they grow and learn to be part of wider society. We have high aspirations for the children and our DT curriculum develops

- children who feel like they can be successful in creating projects
- conceptual understanding of DT and the key skills required
- the children's ability to explain their thinking using appropriate language
- equitable provision to meet the needs of individuals and groups within each setting

Evaluation and feedback are fundamental to supporting children to build on and improve previous skills, allowing them to recall previous learning and ideas that can be improved and enhanced in future projects. The celebration of achievements in the class setting, throughout the school by using displays and posting achievements via our social media and website. Modelled enthusiasm enables children to be enthusiastic about their own, and others projects which improves confidence and resilience for future projects.