

Troon Community Primary & Nursery School
Design & Technology Curriculum Statement



'Every great design begins with an even better story.'

Lorinda Mamo



Intent

Design and technology is an inspiring, rigorous and practical subject. At Troon school pupils use their creativity and imagination to design and make products that solve real-life problems within a variety of contexts.

Pupil's need to be taught how to design and make things for a particular purpose. Pupils need to think about what the products they are designing are used for and the needs of those who use them. We feel it is vital to nurture creativity and innovation through design, and by exploring the designed and made world in which we all live and work. At Troon School we enable pupils to learn practical skills and provide them with the knowledge to make products that move, light up, are structurally sound and don't collapse!

Our pupils are taught how to critique, evaluate and test their ideas and products and the work of others. We build resilience in our pupils so that feel confident and enabled to try again if initial designs and ideas are not successful. Pupils are taught to understand that this is all part of the design process.

Pupils are taught how to cook and apply the principles of nutrition and healthy eating. Learning to cook is a crucial life skill that enables pupils to feed themselves and others affordably and well, now and in later life. Our pupils are taught to use the basic principles of a healthy and varied diet to prepare dishes, understand where food comes from, prepare and cook a variety of dishes using a range of cooking techniques.

Stories behind inventions and everyday objects provide a wider landscape for pupils to inform their own DT work and support reading, talking and writing.

Implementation

Each of our topics start with an over-arching question which allows children the opportunity to explore and discuss the content of what they will learn over the term as well as making links to prior knowledge. Our Design and Technology curriculum is weaved into our termly topics and links are made between this subject and others such as maths, science and humanities. An example of this is in Key Stage Two where our pupils design and make an Anglo-Saxon building. Pupils learn how to make structures stronger and stiffer and more stable using engineered designs such as diagonal struts. They think carefully about their choice of materials and analyse their product against a set of criteria.

Impact

At Troon school we ensure our 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 and critique, evaluate and test their ideas and products and the work of others

Our pupils will understand and apply the principles of nutrition and learn how to cook some basic dishes. Our pupils will understand the importance of why they need to be healthy and how they can keep themselves healthy by eating and cooking well balanced meals.

Our pupils will 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. Our pupils see themselves as designers and feel empowered to solve every day problems through the process of designing, making and evaluating.