



Intention of the Design and Technology Curriculum

'Preparing our children for tomorrows world'

Design and Technology is an inspiring, rigorous and practical subject. Design and Technology encourages children to become independent, innovative and reflective learners. At Avondale, we offer experiences for children to use their creativity, to design and make purposeful products and systems that solve relevant and real life problems. As we teach Design and Technology through an iterative and innovative process, the children are constantly encouraged to evaluate and reflect upon their work, ensuring they are thinking critically.

It is paramount that children acquire the knowledge and skills needed to prepare them for our increasingly complex technological world and future developments. Children are encouraged to creatively problem solve as individuals, as part of a team and during teacher led activities, with the outlook that this has the potential for children to make positive changes to their quality of life and can face challenges with a positive mind set. Children will learn how to use a range of tools and equipment safely and correctly.

Personal and social skills are taught and applied throughout. Children have many opportunities to recognise and value their own and other people's creativity. 'High-quality Design and Technology education makes an essential contribution to the creativity, culture, wealth and well-being of the nation.'

Our bespoke Design and Technology curriculum allows children to research and reflect on present and past Design Technology, its uses and impact. Children should be aware that there are many processes behind products that we use today. Where possible, we aim to link our work to a range of subjects such as maths, English, art, history, science, computing. This ensures that contextual learning is taking place and is memorable for our children.

Design and Technology also offers many links with the local community.

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 prepare simple healthy meals.
- build on their vocabulary and apply this accurately.