



Intent

At Hartshorne, we encourage children to use their creativity and imagination, to design and make products that solve real problems within a variety of contexts because this links their experiences to their learning. We aim to, wherever possible, link work to other curriculum areas because this helps our children make links in their learning. The children are also given opportunities to reflect upon and evaluate past and present design technology, its uses and its success.

Implementation

Through a variety of creative and practical activities, we teach the knowledge, understanding and skills needed to engage in an interactive process of designing and making.

Design – use research and develop design criteria to design for a purpose and communicate their ideas.

Make – use a wider range of tools and equipment with accuracy and use a wider range of materials and components according to their qualities.

Evaluate – evaluate their ideas and products against their own design criteria and consider the views of others to improve their work. To understand how key events and individuals in design and technology have helped shape the world

Technical Knowledge - apply their understanding of how to strengthen, stiffen and reinforce more complex structures. Understand some of the ways that food can be processed and the effect of different cooking practices

Through this process, the aim is to develop the pupils' technical knowledge and vocabulary in relation to structural design, mechanical and electrical systems, the integration of technology and food production and nutrition.

Impact

- Through the evaluation of past and present design and technology, they develop an understanding of its impact on the world.
- Build and apply a range of knowledge, understanding and skills in order to design and make high-quality products for a range of users.
- Evaluate, test and improve their ideas and products.
- Children learn to take risks and produce high quality products.