



We care, we share, we dare to dream



Curriculum Statement for Design Technology

Ticket to Anywhere

Happy, caring school

First rate education

Nurture curiosity and creativity

Inspire and engage

Welcoming, safe environment

Thursfield Primary

Curriculum

INTENT

The intent of the DT Curriculum at Thursfield is to provide plenty of opportunities for the children to learn, apply and strengthen essential skills required in the designing, making and evaluating of an effective product for a given purpose. It is also the intent of the DT Curriculum to ensure that the children are well-equipped with useful technical knowledge to support them in the design and making of their product. For example: Learning how to strengthen a structure to make it more stable, learning how to use mechanisms or electrical systems in their designs and learning how to use computer programming to control a product. In addition, the school aims to develop the children's use and understanding of technical vocabulary associated with this subject. This is so that the children can articulate the skills that they have applied, the equipment that they have used and describe the material/s and features of the product that they have made.

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.

At Thursfield Primary School we embrace the 'Rosenshine Principles of Learning' for all pupils including our children with Special Educational Needs and Disabilities (SEND). The delivery of the DT curriculum involves the careful planning of lessons ensuring plenty of opportunities for over learning and mastery of key skills. We remove barriers to allow all pupils to achieve by producing 'Learning Passports' with our SEND children. These outline personal learning preferences and the reasonable adjustments which need to be made by school in order for each pupil to access the full DT curriculum and to achieve the high expectations which are set for them.

Thursfield Primary

Curriculum

IMPLEMENTATION

National Curriculum

Planning is creative and meets the requirements of the National Curriculum. The structure of knowledge within the curriculum is split into four key areas: Explore, Research and Design; Technical Skills; Evaluate products and processes and Food and Nutrition.

Curriculum Journey

All our topics follow a set pathway. Pupils work through a series of blocked sessions, which build on their prior knowledge, by introducing specific knowledge, skills and vocabulary. The sequence of sessions follow a set journey: Explore, Research, Design, Make and Evaluate. At the end of the topic they apply their knowledge to the final product learning challenge and present their findings.

Food and Nutrition

As part of their work with food, pupils are taught how to cook and apply the principles of nutrition and healthy eating. Instilling a love of cooking in pupils will also open a door to one of the great expressions of human creativity. Learning how to cook is a crucial life skill that enables pupils to feed themselves and others affordably and well, now and in later life.

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IMPACT

PUPIL VOICE

Children will demonstrate a positive attitude towards DT learning. They will articulate their understanding about their learning; which includes discussion of their thoughts, ideas, processing and evaluations of work.

EVIDENCE OF KNOWLEDGE/SKILLS

Assessment of children's learning in Design Technology is an ongoing monitoring of children's understanding, knowledge and skills by the class teacher, throughout lessons. This assessment is then used to inform differentiation, support and challenge required by the children. Pupils achieve well and progression of skills is evident.

TICKET TO ANYWHERE

Children are prepared with skills that are transferable into future work life. They gain skills in collaboration, designing and evaluation. In addition, children develop a respect for the environment, for their own health and safety and that of others. They learn to appreciate the value of similarities and differences and learn to show tolerance.