Statement of Intent for the Design and Technology Curriculum

The Design and Technology Curriculum is an inspiring, practical and valuable learning experience where pupils are encouraged to explore, research, develop skills, design, make and evaluate products.

The starting point for our curriculum is the revised EYFS framework 2021 and the Educational programme, Expressive Arts and Design and the Early Learning Goal creating with materials. The National Curriculum provides the structure, knowledge and skill development for the Design and Technology Curriculum for Key Stages 1 and 2. Pupils participate in a variety of design experiences through which they develop their creativity and resilience in a safe, stimulating environment. They have access to lessons and wider opportunities which allow them to create products that solve real and relevant problems affecting themselves, their peers, their local community and the wider world.

Skills are taught progressively to ensure that all pupils are able to develop as they move through the school from Nursery, to EYFS, Key Stage 1 and Key Stage 2 end points. Pupils are taught to combine their design skills with knowledge and understanding, making products that have a purpose. Evaluating the outcomes, combined with the development of pupils' technical knowledge, are an integral part of the design process and ensures pupils evaluate, adapt and improve their product. These are key skills which encourages resilience, a significant skill that they will need throughout their life.

The activities have been carefully and purposely selected to ensure strong links to the teaching of sustainability and the Global Goals. Each Key Stage looks at their local environment and how they can improve it. Alongside this, the cooking and nutrition aspect of the curriculum gives pupils the opportunity to explore a well-balanced diet and alternative sustainable, healthy diets. In all year groups, pupils' interests are captured through thematic learning, ensuring that links are made in a cross-curricular way, giving pupils motivation and meaning for their learning. Resources are adapted, when necessary, to ensure SEND and disadvantaged pupils can access all aspects of the same curriculum.

Pupils learn about the work of a range of inventors, designers, engineers, architects and chefs. These have been chosen to represent diversity both relevant to our community or to represent diversity from different cultural backgrounds or with protected characteristics.

The Design and Technology Curriculum allows pupils to apply the knowledge and skills learned in other subjects, particularly Mathematics, Science, Computing and Art and Design. Lessons also include opportunities for age appropriate reading, for example, through researching sources of information regarding existing products, related news articles and high quality reference material in our school library.

Every Child a Confident Learner