



How Design & Technology SHINES - Our Vision

The SHINE Curriculum in D&T

S -Stimulating enquiring minds by providing rich and relevant experiences, purposeful and connected learning, and creative thinking.

- Design and Technology prepares children to take part in the development of today's rapidly changing world.
- Through studying Design and Technology, children combine practical skills with an understanding of environmental, social and aesthetic issues in addition to understanding functions and industrial practices.
- Children frequently reflect on and evaluate present and past Design and Technology, its uses and the impacts it has.
- D&T involves the creative application of the principles of science to solve practical problems and is subject to the constraints of economics and social acceptability.
- Our design projects are designed to reflect the children's interests.
- We take part in extra curricular activities that help us see the connection to the real world, including International Women in Engineering day and The James Dyson Project.

H -High expectations and excellence delivered rigorously through well sequenced subjects, progression in generative knowledge, rich vocabulary, concepts and skills, so pupils know more and remember more.

- DT 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.
- Pupils acquire a broad range of subject knowledge and draw upon knowledge from other areas of the curriculum 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, preparing them for the future.

- In Design and Technology, there is clear progression seen in the Long Term plan. Each term focusses on one aspect of the Design and Technology curriculum, forming clear, strong links between year groups.
- Children also use their skills, vocabulary and knowledge from other areas of the Shine Curriculum and develop these creatively as well.

I – Inclusivity and flexibility which allows us to cater for individual needs, abilities and interests.

- All children, of all abilities are offered the same opportunities in DT
- Every child has the opportunity to create a working product, something to take pride in.
- DT lessons are adapted to suit the individual needs of children through differentiated support from staff, differentiated tools, equipment and media and have prior access to key knowledge.
- Teachers adapt lessons to the needs of individual children this can be done through the delivery of the lesson and by outcome.

N -Nurturing strong, lifelong learning behaviours- resilience, risk taking, independence, perseverance, and pride in success

- Our curriculum has been designed to develop the creative, technical and practical expertise needed to perform everyday tasks confidently and to participate successfully in an increasingly technological world.
- Children learn how to take risks (through making design decisions), becoming resourceful, innovative, enterprising and capable citizens. This allows children to build resilience and perseverance, skills which are highly admired across the whole curriculum.
- 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.

E -Encompassing the whole child- developing their faith, values, spirituality, health and well-being and understanding the world we live in, their future in our culturally diverse community and country where equality and tolerance is promoted.

- Design and Technology encompasses the child as a whole.
- Children are taught the basics of healthy eating and creating healthy dishes. A healthy lifestyle means the children will live a healthy and happy life.
- Children gain lots of transferable skills in Design and Technology lessons, they learn to work together, be cooperative and be innovative.

- We aim to ensure children see the links between Design and Technology and their future careers.
- We encourage the children to celebrate cultural diversity.
- Our Cooking and Nutrition topics encourage children to think about where food comes from and how we get food, thus encouraging them to think about other lifestyles and exploring more eco-friendly ways to get our food.