

Subject at a Glance: Design Technology

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 will acquire a broad range of subject knowledge and draw on disciplines such as mathematics, science, engineering, computing and art.

Intent – What do we aim to deliver?

Pupils will 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.

Our high-quality design and technology curriculum will help pupils make an essential contribution to the creativity, culture, wealth and well-being of the UK.



By teaching focused, discreet 'Design Technology' lessons, the children are taught skills progressively to ensure that all children are able to learn and apply in order to develop as they move through the school.

Evaluation is an integral part of the design process and allows children to adapt and improve their product, this is a key skill which they need throughout their life.

Implementation – How do we aim to deliver it?

The Design and technology scheme of work we follow, written by 'Kapow', aims to inspire pupils to be innovative and creative thinkers who have an appreciation for the product design cycle through ideation, creation, and evaluation. It follows four main stages of the design process: Design, Make, Evaluate and Technical knowledge.

Our Design and technology scheme has a clear progression of skills and knowledge within these strands and key areas across each year group.

To extend our curriculum, we invite 'Classroom Kitchen' (a paid for experience) into school to broaden our pupils' understanding of the topic. This has become an extremely important resource for us and is a highlight for the pupils, giving our children a unique and engaging experience.

- Cooking and nutrition
- Structures
- Mechanisms/
Mechanical systems
- Textiles
- Electrical systems (KS2 only)
- Digital world (KS2 only)

At Gilded Hollins, we implement a spiral curriculum, with key areas revisited again and again with increasing complexity, allowing pupils to revisit and build on their previous learning.

Differentiation is used in every lesson to ensure that lessons can be accessed by all pupils and opportunities to stretch pupils' learning are available when required.

Impact – How will we know we have delivered it?

The majority of children in each year group are working at or above ARE for their age.

Children are able to safely use materials and equipment to an appropriate standard.

Children understand the need for the research, design and evaluating process in order to effectively create a product.

Children are able to apply their knowledge and skills in a variety of different contexts with many different materials or ingredients.