

Gorse Hill Primary School

Design & Technology Policy

At Gorse Hill Primary School we pride ourselves in working together to do our best. We aim to provide equal opportunities for all members of our school family regardless of disability, religion, sexual orientation, culture, gender, ethnic origin, colour or age. All pupils have regular access to the Design & Technology curriculum, and the right to experience geography in a fun, stimulating, engaging, practical and meaningful way.

The National Curriculum states that 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.



INTENT

- By the end of each key stage, pupils are expected to know, apply and understand the matters, skills and processes specified in the relevant programme of study.
- At Gorse Hill we intend to develop Design & Technology skills by implementing the National Curriculum for D&T in an inspiring, engaging and imaginative way.
- We intend for children to be encouraged to think creatively and have the opportunities to problem solve.
- We will ensure that all the children are introduced to a wide range of Materials, Tools and Media in accordance with age-related expectations.
- We will ensure that our pupils have the opportunity to conduct market research and testing of 'real life' products to ensure that we create a *purpose* before designing, making and evaluating functional products with users in mind.
- We will develop the children's skills, knowledge and understanding of designing and making functional products with the opportunities to be reflective and modify when necessary.
- We will encourage the children to think for themselves about important issues in the world around them.
- We will encourage the children to become innovators and risk-takers.



IMPLEMENTATION

At Gorse Hill we use the Learning Challenge Curriculum and DT is therefore incorporated into Topic planning; ensuring that one DT topic is explored every term.

Design and Technology is a foundation subject in the National Curriculum and as such, all year groups (from year 1 to 6) use the New National Curriculum as the basis for curriculum planning in DT. Skills in the Foundation stage are planned through the objectives within the EYFS.

The principle aim of DT is to develop children's knowledge, skills and understanding. Teachers ensure that the children apply their knowledge and understanding when developing ideas, planning and making

products and finally evaluating them. This is done through a mixture of whole class teaching and also individual/group work. Within lessons, we give children the opportunity to both work on their own and to collaborate with others, listening to other children's ideas and treating these with respect. Children critically evaluate existing products, their own work and that of others, identifying strengths and weaknesses in a positive way. The children have the opportunity to use a wide range of resources including ICT.

In all classes there are children of differing ability. We recognise this and provide suitable learning opportunities for all pupils by matching the challenge of the task to the ability.



IMPACT

By the end of the EYFS we want our children to have had the opportunities to ask questions about how things work, to have used a variety of construction kits, materials and tools with developing control.

By the end of KS1, we want the children to have had a variety of creative and practical activities with the gained knowledge, understanding and skills needed to design, make and evaluate functional products in context as well as developing their technical knowledge.

By the end of KS2, we want our children to be successful innovators in design & technology. We would like our children to be able to be confident in engaging in an iterative process of designing and making, knowing that there are many hurdles to cross in the process to create their final product.



ASSESSMENT

Children's work will be marked according to the policy of the school. The learning objective for that lesson should be made clear to each child as to whether they have fully met, partially met or have not understood it yet. Children should be given next steps in line with the school marking policy, to provide some element of either consolidation or challenge. Teacher assessments are made in both formative and summative way, and results entered on Target Tracker on a termly basis. Learning walks and pupil interviews will be complete to check progression of skills across the year groups.

Health & Safety

The general teaching requirement for health & safety applies in this subject and all staff should refer to the Health & Safety policy.

We teach children how to follow procedures for food safety and hygiene; it is the responsibility of the teachers to teach the children the safe use of tools and equipment and insist on good and safe practise.

Pupils will be taught to:

- Collect and return tools and equipment safely
- Follow clear instructions
- Only move around the room when necessary
- Wear safety equipment whenever necessary

To ensure the safe use of tools and equipment it is important that staff are confident when using them, so they can correctly demonstrate their use. All pupils should be clear on the intended use of the tools.

Date: 29/1/24

This Policy will be reviewed annually