



Marsh Green Primary School



Design and Technology Policy

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Achieve Believe Celebrate

We believe that Design and Technology is essential to prepare pupils to participate in rapidly changing technologies. Children will have opportunities to develop their investigating, designing, making and evaluating skills, by thinking creatively.

Design and Technology is an inspiring, rigorous and practical subject. Through this subject, children are given the opportunity to use their 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.

Aims

At Marsh Green school, we aim to provide an education in Design and Technology that:

- Enables pupils to learn how to take risks, becoming resourceful, innovative, enterprising and capable members of the community.
- Fosters an enjoyment and appreciation of the knowledge of craftsmen and designers.
- Takes a cross-curricular approach and draws upon disciplines such as Mathematics, Science, Engineering, Computing and Art.
- Improves the children's ability to control and understand materials, tools and techniques.
- Increases their awareness of the roles and purposes of Design and Technology in different times and cultures.
- Develops the creative, technical and practical expertise needed to perform everyday tasks confidently, and to participate successfully in an increasingly technological world.
- Builds on a repertoire of knowledge, understanding and skills in order to design and make high-quality prototypes and products for a wide range of users and uses.
- Enables pupils to critique, evaluate and test their ideas and products and the work of others.
- Allows pupils to understand and apply the principles of nutrition and learn how to cook.

Organisation

Design and Technology is a foundation subject in the National Curriculum. At Marsh Green, we use the national scheme of work as the basis for our curriculum planning on Design and Technology. We have adapted the national scheme to our local circumstances along with use of the Project pages and Plan Bee.

Whenever possible, we use the local environment as the starting point for aspects of our work.

We carry out the curriculum planning in Design and Technology in three phases: long-term, medium-term and short-term. Our long-term plan maps out the themes covered in each term, during the key stage, over the academic year.

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Activities are planned so that pupils build upon their prior learning. Children of all abilities are provided with the opportunity to develop their skills, knowledge and understanding to the best of their abilities, with planned progression that ensures an increasing challenge.

The school uses a variety of teaching and learning styles to deliver Design and Technology lessons. We do this best through a mixture of whole-class teaching and individual/group activities. We offer children the opportunity within lessons to work on their own and/or collaborate with others. Children also have the opportunity to use a wide range of materials and resources, including ICT.

We celebrate children's work through classroom displays, sharing work in assemblies and on twitter and out school website.

Health and Safety: Teachers will carry out a risk assessment before each activity, considering the tools, materials and equipment to be used. Before undertaking practical tasks, children will be taught to use tools correctly in order to ensure safety.

Home School Links: Parents are an invaluable source of skills and information. They may be invited to demonstrate and teach their skills, or indirectly share their skills through assisting with Design and Technology lessons. Opportunities should be available for children at home to investigate and practice skills, research information and use computing where possible.

Assessment and Recording

We assess the children's work in Design and Technology by observing them working during lessons. We do not keep formal records or make assessments at National Curriculum levels.

Resources

We have a wide range of resources to support the teaching of Design and Technology across the School. All our classrooms should have a range of basic resources and additional supplies are stored in the Design and technology cupboard, which is accessible to children only under adult supervision. More specialised equipment is ordered as required.

Monitoring and Review

The monitoring of the standards of children's work and of the quality of teaching in Design and Technology is the responsibility of the subject leader. The work of the subject leader also involves supporting colleagues in the teaching of Design and Technology, keeping informed about current developments in the subject, and providing a strategic lead and direction for the subject in the school.