

# MOTTRAM ST. ANDREW PRIMARY ACADEMY



## DESIGN AND TECHNOLOGY POLICY

Design and Technology is an innovative 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, computing and art. Pupils learn how to investigate and take risks, becoming resourceful, 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.

### Design and Technology Definition for Pupils

Design and Technology (D&T) is a subject where we use creativity and problem-solving to design and make useful products. We plan, build, and test ideas using different materials and tools. It helps us understand how things work and develop practical skills, imagination and teamwork.

### Aims

- To develop the creative, technical and practical expertise needed to perform everyday tasks confidently and to participate successfully in an increasingly technological world.
- To build and apply a repertoire of knowledge, understanding and skills in order to design and make high-quality prototypes and products for a wide range of users.
- To critique, evaluate and test their ideas and products and the work of others.
- To understand and apply the principles of nutrition and learn how to cook.

### Implementation

Design and Technology is taught throughout the school, from reception through to year 6, in accordance with the requirements of the Foundation Stage and National Curriculum through our Design and Technology scheme of work, and DATA 'Project on a Page' resources for additional guidance.

We provide opportunities to follow the design process:

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- research
- design
- make
- evaluate
- apply technical knowledge

Across the school pupils engage in a variety of creative and practical activities, establishing cross-curricular links where appropriate. They are given the knowledge, understanding and skills needed to engage in an iterative process of designing and making.

Children are taught as individuals, in small groups and as a class. Where and when appropriate, technology will be introduced as a learning tool to enhance teaching in this subject.

All pupils have equal access to the teaching in this subject area. All efforts are made to ensure that the material presented is not in any way discriminatory in nature. Care should be taken when using any specialist equipment in Design and Technology, and our risk assessment for Design and Technology is followed.

### **Role of the Subject Leader**

The Design and Technology Subject Leader has the responsibility of overseeing Design and Technology within the school including:

- Leading the writing, implementation, monitoring and evaluation of the policy and the curriculum.
- Monitoring the overall structure of the Design and Technology curriculum.
- Ensuring appropriate resources are available and updating them within the limits of the budget and according to needs.
- Keeping up to date with developments in the subject and disseminating information to staff.
- Providing support and guidance to staff as needed.
- Attending courses relevant to professional development within their role as subject leader.

### **Monitoring**

Monitoring the overall structure of the Design and Technology curriculum is the responsibility of the subject leader. The quality of teaching, provision and outcomes will be monitored through the school's usual processes, including lesson observation, book looks and pupil voice.

## **Assessment and reporting**

Assessments are recorded in the Balance assessment tool. Attainment and effort grades for Design and Technology are included on each child's end of year report to parents.

## **Professional development and responsibilities**

Each class teacher is responsible for the delivery of the Design and Technology curriculum and overseeing the pupils' progress. In line with school priorities, teachers are provided with opportunities for development and training in connection with this subject area as appropriate.