

# MOTTRAM ST. ANDREW PRIMARY ACADEMY



## DESIGN AND TECHNOLOGY POLICY

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.

### ***Aims***

Our aims for Design and Technology are to enable our pupils to:

- develop the creative, technical and practical expertise needed to perform everyday tasks confidently and to participate successfully in an increasingly technological world.
- 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.
- critique, evaluate and test their ideas and products and the work of others.
- understand and apply the principles of nutrition and learn how to cook.

### ***Implementation***

Design and Technology is taught throughout the school in accordance with the requirements of the National Curriculum through our Design and Technology scheme of work.

We provide opportunities to:

- 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.

In both Key Stages children are taught as individuals, in small groups and as a class. Where and when appropriate, technology e.g. computers, iPad and the use of the internet 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 Design and Technology Leader***

The leader advises the headteacher and staff on the development of Design and Technology and undertakes the following:

- Lead the writing, implementation, monitoring and evaluation of the policy and the curriculum scheme of work.
- Use effective strategies to monitor the quality of the education in the subject, including: visiting lessons, scrutiny of children's work, analysing assessment outcomes and talking to children.
- Keep up to date with developments in the subject area and disseminate information to staff.
- Organise and lead staff training when needed.
- Provide guidance and support to staff as needed.
- Ensure appropriate resources are available and regularly update them within the limits of the Design and Technology budget and according to needs.

### ***Special needs***

Support for children requiring extra help is given by the class teacher within the class situation. Advice on the teaching of Design and Technology to children with special needs may be sought from the SENCO.

### ***Gifted & Talented***

It is recognised that children may have a particular gift in the area of Design and Technology. Each class teacher will provide such children with the opportunities to develop their skills. They are encouraged to investigate and problem solve in greater depth and to share their expertise with others. Class teachers will put children forward for opportunities which may appear within our area to support children further.

### ***Assessment and reporting***

Design and Technology is assessed through a process of continual teacher assessment. The child's progress in Design and Technology is included in the end of year report to parents.

### ***Professional development and responsibilities***

Each class teacher is responsible for planning each term's work and overseeing the pupils' progress within the framework of this policy, the National Curriculum and our Scheme of Work. Teachers are provided with opportunities for staff development and training in line with school priorities.

Reviewed September 2019