

## 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 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***

Technology is taught throughout the school in accordance with the requirements of the National Curriculum.

We provide opportunities to:

- design
- make
- evaluate
- apply technical knowledge

Across the school pupils engage in a variety of creative and practical activities. 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.

## **MOTTRAM ST. ANDREW PRIMARY ACADEMY**

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 Technology. The guidance in the Cheshire East Council Health and Safety Risk Assessments are followed.

### ***Role of the Technology Leader***

The leader advises the head teacher and staff on the development of Technology including writing, implementing and monitoring the school's policy. She ensures continuity and progression within the teaching of Technology by monitoring planning, outcomes and classroom practice and is responsible for planning methods of assessment. She organises the resources needed and provides support to colleagues.

### ***Special needs***

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

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

It is recognised that children may have a particular gift in the area of 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***

Technology is assessed through a process of continual teacher assessment (see Assessment Policy for more details). 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 and the National Curriculum. Every teacher is provided with opportunities for staff development and training in connection with this subject area.

***Monitoring, Evaluating and Reporting***

This policy is reviewed annually by the leader. The standard of children's work is also monitored once a year and reports are made to staff and governors. Examples of successful work are displayed and photographs of the stages of completion are taken which also provide evidence. Direct observations of the teaching and learning in this subject are made according to a rolling programme of classroom observations. This results in an action plan addressing points of concern.