

Science Policy

Meir Heath Academy



**Approved by: Mrs
M Southern**

Date: October 2017

Last reviewed on: October 2017

**Next review due
by:** October 2020

What is Science?

- Science is a body of knowledge which is built up through the experimental testing of ideas and which is organised in a way that makes it easy to use. Science is also a methodology, a practical way of finding reliable answers to questions we may ask about the world around us. The emphasis surrounding the environmental and ecological issues which are prevalent now making the teaching and learning of science essential.

Aims

At Meir Heath Academy we aim to enable all pupils to:

- Retain and develop their natural sense of curiosity about the world around them.
- Create an enthusiasm for all areas of science.
- Develop a set of attitudes which promote scientific ways of thinking, perseverance, objectivity and the recognition of the importance of teamwork.
- Understand the nature of 'scientific method' involving: meticulous observation, the making and testing of hypotheses, the design of fair and controlled experiments, the drawing of meaningful conclusions through critical reasoning and evaluation of evidence.
- Be effective communicators of scientific ideas, facts and data.
- Build up a body of scientific knowledge and understanding which will serve as a foundation for further enquiry.

TIME ALLOCATION

- Every pupil within the school will receive a minimum of one hours teaching of Science per week in KS1 and one and a half hours in KS2. This to allow for the completion of investigations and analysis.

THE ROLE OF THE SCIENCE COORDINATOR

The Science coordinator will:

- take the lead in policy development and the production of schemes of work, Collins, designed to ensure progress and continuity throughout the school;
- support colleagues and give help, when required, in their implementation of the scheme of work;
- monitor progress in science and advise the principal on any action required;
- oversee the assessment of science and the procedures for reporting to parents on pupils' progress in this area of the curriculum;
- take responsibility for the purchase and organisation of central resources for science;
- keep up-to-date with developments in science education and brief colleagues

- as necessary;
- identify staff development needs and arrange appropriate INSET.

THE ROLE OF THE CLASS TEACHER

It is the responsibility of every class teacher:

- to teach science, within the legal guidelines and the school's science policy and scheme of work, to every child in his/her class;
- to record pupil's progress in the subject;
- to prepare reports to parents on pupils' progress;
- to seek advice where necessary from the science coordinator.

OUTLINE OF TEACHING STRATEGIES TO BE ADOPTED

All pupils will gain a variety of learning experiences through a combination of whole class work, group work and individual activities. Practical exploration of music will be central to all lessons in the subject.

ASSESSMENT OF SCIENCE

Effective assessment:

- Is usually done while a task is being carried out the discussion with children and teacher
- Aims to help children learn by encouraging them to think critically about what they have achieved.
- Assessment is carried out throughout both key stages through teacher assessment using TAPs and the Collins assessment. TAPs should be clear in books and Collins online. Hard copies of the Year Group Science Assessment Records should be passed up with the children.

PLANNING AND MONITORING

All teachers will:

- plan lessons in accordance with the sequence and time-scale indicated in the scheme of work;
- keep a record of work covered and adaptations which have to be made in light of pupils' progress and other factors influencing school life;
- submit their records to the coordinator on request;
- make any necessary adaptations to their work in accordance with the advice

given by the science coordinator.