

Introduction

The National Curriculum for Science describes what must be taught in each key stage and year group. Middlefield Primary Academy uses robust assessment systems to assess the children against the National Curriculum and clear tracking systems to monitor the progress of classes and groups of children. This ensures continuity and progression in the teaching of Science. In EYFS, the curriculum is guided by The Early Years Foundation Curriculum.



Teaching and Learning

Science is taught in classrooms across the school for 2 hours per week. In most year groups an entire afternoon each week is dedicated to science. Science activities are also available during outdoor learning sessions. Teachers follow the National Curriculum for science and cover one or two topics each term - The Kapow scheme is used to facilitate this. Working scientifically is of key importance and is incorporated in different ways into each topic taught. Some topics lend themselves more naturally to practical work and teachers ensure that they include scientific working in each topic in different ways. Teachers also use the outdoor area and local environment to support teaching and learning. Pupils are encouraged to share their experiences and knowledge to benefit their peers. Teachers use a range of teaching styles, to support the range of experience and ability in the class. Differentiation and support are in place to ensure a productive learning experience. Teachers are mindful that understanding of science is not just about being able to write it down, thus children are provided with a range of outlets to showcase their understanding.

Monitoring and Assessment

Teachers assess during Science lessons using discussion, practical activities, question and answer techniques and in encouraging pupils to share findings with others. At the end of each lesson, the understanding of key concepts will be assessed by the class teacher. Upon completion of a topic, teachers use a POP task to assess children's understanding of key points, this is carried out some weeks later to check depth of learning. Using their judgement, the teacher will assess each child as either working towards the expected level, attaining the expected level or exceeding the expected level.

The Science lead will undertake learning walks, advise on planning and monitor pupil's work.

Leadership and Management

There is a subject leader for Science who is responsible for:

- producing an action plan and for the implementation of the Science policy across the school.
- offering help and support to all members of staff (including teaching assistants) in their teaching, planning and assessment of Science.
- maintaining resources and advising staff on the use of equipment.
- monitoring classroom teaching or planning following the school's rolling programme of monitoring.
- leading staff training on new initiatives.
- attending appropriate in-service training and keeping staff up to date with relevant information and developments.
- keeping parents and governors informed on the implementation of science in the school.

Related Policies

When reading this policy, you should refer to the following policies which apply to this subject:

- | | |
|-------------------------|-----------------------|
| • Marking | • ICT |
| • Teaching and Learning | • Health and Safety |
| • Assessment | • Equal Opportunities |
| • Homework | |