

What Science looks like at Mary Mags



Two hours are timetabled for Science each week. Lessons are carefully planned for to provide pupils with a balance of knowledge sessions as well as practical application sessions using a range of enquiry and skills types. These are differentiated to suit the needs of all children.

Vocabulary
Children are given opportunities each lesson to learn new scientific vocabulary and are encouraged to 'speak like scientists'.

Resources to support lessons
Switched on Science – Rising Stars
Chris Quigley
Focus Education



Milestones
The goals children are aiming for to show that they are meeting the expectations of the curriculum.



Retrieval practice
Retrieval practise activities are planned into lessons to support the acquisition of key knowledge and deepen and embed understanding.

POP tasks
Proof of progress tasks enable children to showcase the skills and knowledge they have acquired over the course of a unit. They also help teachers to make accurate assessment judgements of a pupil's progress over the term.



- Working scientifically
- Communicate scientifically
- To investigate materials
- To understand plants
- To understand animals and humans
- To investigate living things
- To understand evolution and inheritance
- To understand movement, forces and magnets
- To understand light and seeing
- To investigate sound and hearing
- To understand electrical circuits
- To understand the Earth's movement in space

Skills progression throughout school
The topics taught and when they are taught have been carefully planned and sequenced to ensure that pupils continuously re-cap and come back to previous learning, not just within that year group but throughout their time at St Mary Mags. Threshold concepts are used to ensure curriculum coverage as well as what children will re-cap and look back on throughout.

BSGP
Pupils are given opportunities through our bronze, silver, gold and platinum system to master certain skills and knowledge. Teachers plan a range of questions types, activities and opportunities for pupils to master skills and knowledge within the topic.

