



SCIENCE AT Meir Heath



What a lesson looks like...

- 'When I grow up'
- Retrieval Practice
- Spaced Learning
- Key Vocabulary
- Teacher led main teach (including modelling, talk partners, independent tasks)
- Pupil independent learning tasks (CT guided group)
- Exit Question
- Each lesson incorporates both substantive and disciplinary teaching and learning.
- Recorded in books or on iPads.
- Pupil voice notes used to record questions or findings and conclusions.



Substantive Knowledge

Pupils develop scientific knowledge and understanding through the specific disciplines of biology, chemistry and physics.

Disciplinary Knowledge

Pupils develop an understanding of the nature, processes and methods of science through different types of scientific enquiry to help answer questions about the world around them.

Science in EYFS

- Plants
- Animals Incl. Humans
- Everyday materials
- Seasonal Change

Science beyond MHA

We aim for pupils to be equipped with the scientific knowledge required to understand the uses and implications of science today and in the future.

Assessment

Summative Assessment -

- End of Unit Switched on Science Assessments.
- Use of Progression Grids to highlight progress in substantive and disciplinary knowledge and skills.

Formative Assessment -

- Thought provoking questioning
- Voice notes - 'Hear the Thinking'
- Observation of enquiry based learning

Challenging pupils

- Higher order questioning
- 'Prove it' questions
- In lesson deepening understanding
- Enquiry

Cross-curricular learning

Maths (Statistics / measurement and recording, vocabulary and data handling)

Computing

Use of digital technology / data logging / recording

Geography

Developing an understanding of the world (seasons . habitats

English Reading, writing, spoken language and use of technical language, recording and writing up investigations.

CPD

- CORE 5 Termly maths Trust CPD
- The Ogden Trust Stoke Meir Partnership
- Peer to Peer review
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Cultural Capital

- Eco Club
- Trip to Leicester Space Station
- Think Tank Visit
- Links to high schools - Blythe Bridge High and Ormiston Meridian (Ogden Trust)
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