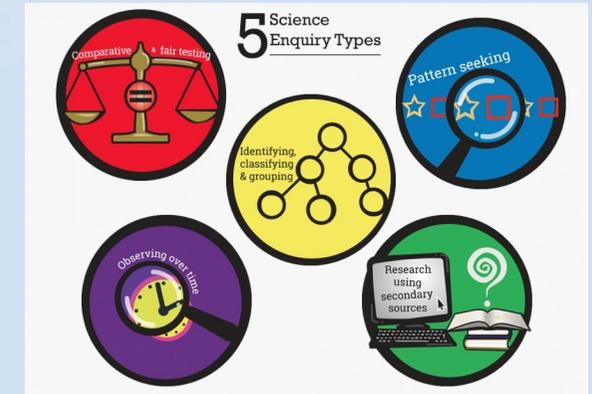
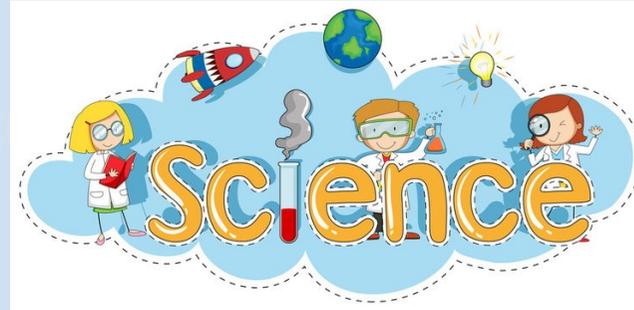




Science at Meir Heath Academy



Intent

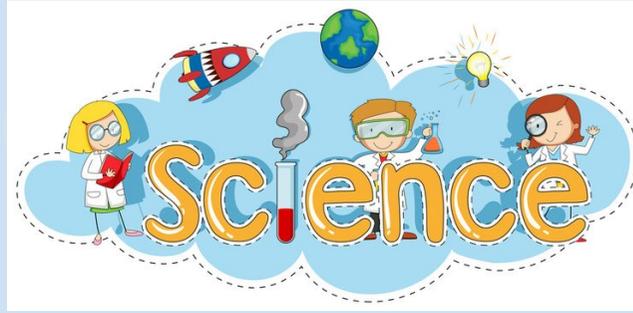
At Meir Heath Academy our intent is:-

- Pupils will develop scientific knowledge and understanding through the specific disciplines of biology, chemistry and physics.
- Pupils will 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.
- Pupils will be equipped with the scientific knowledge required to understand the uses and implications of science today and in the future.





Science at Meir Heath Academy



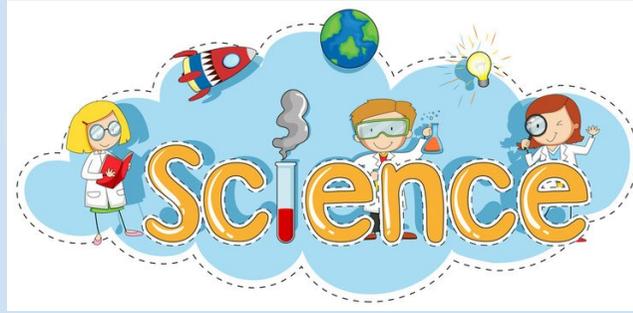
Implementation—Curriculum

Our science curriculum is based on the three main principal of biology, chemistry and physics. It includes the elements of the National Curriculum programmes of study, and is delivered through the scheme 'Switched On Science' . Each year group's units of science provide a sequential and progressive approach, enabling all pupils to develop their subject knowledge, whilst also understanding the world around them. Spaced learning and high quality retrieval tasks, ensure that the children maintain their knowledge and understanding throughout each unit. End of unit tasks and focused formative assessment ensure that pupils have the knowledge and skills required for future learning.



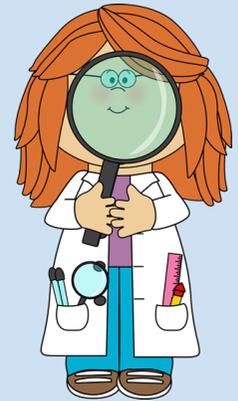


Science at Meir Heath Academy



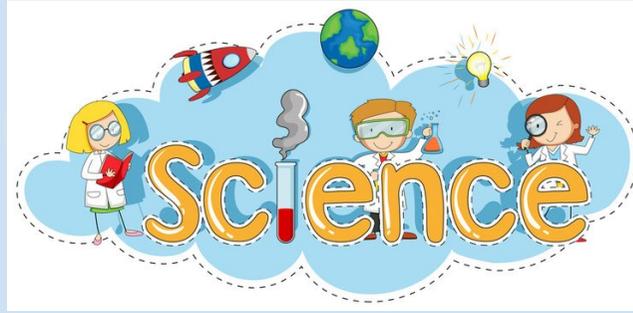
Implementation—Curriculum in Early Years Foundation Stage

In EYFS at Meir Heath Academy, pupils are provided with a broad and balanced range of exciting opportunities to develop both their subject knowledge and their working scientifically skills. This is delivered through carefully planned, high quality engaging topics and child initiated learning, within all areas of provision.





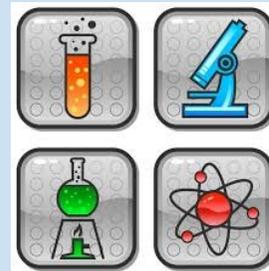
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Implementation—Enquiry Skills

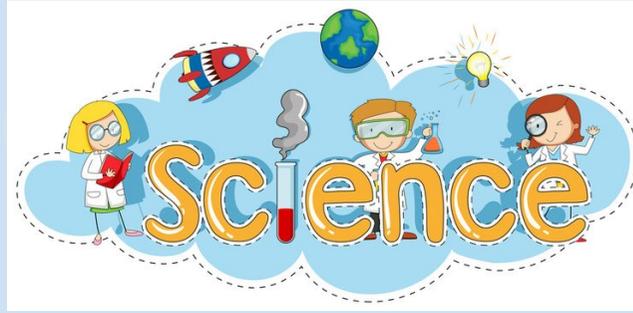
At Meir Heath Academy disciplinary knowledge (working scientifically skills) are taught holistically as part of our science curriculum.

All units and lessons have focus substantive knowledge (subject knowledge) and disciplinary knowledge (working scientifically skills) incorporated into them. Through targeted assessment and planning, teachers ensure that direct teaching and the pupils own application of their knowledge and skills is carefully balanced, so as to address any misconceptions that may be formed, whilst promoting pupil progress in science.





Science at Meir Heath Academy



Cross—Curricular Links

English

Reading, writing, spoken language and use of technical language.

Mathematics

Statistics, measurement and recording, vocabulary and data handling.

Computing

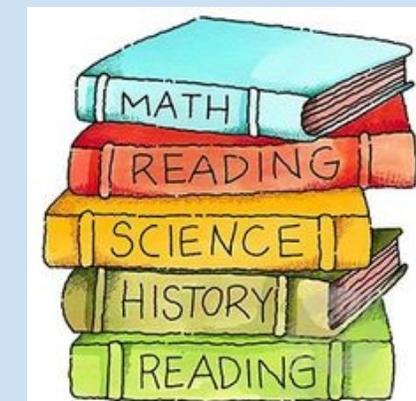
Use of digital technologies.

Geography

Developing an understanding of the world around us.

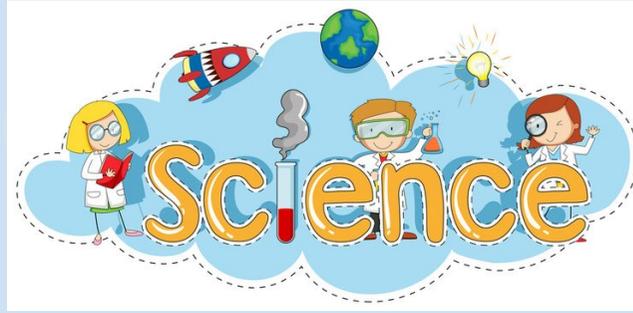
Art— Observational drawings.

PE — Pupils learn about staying healthy and the impact of exercise on their bodies.





Science at Meir Heath Academy



Science Capital

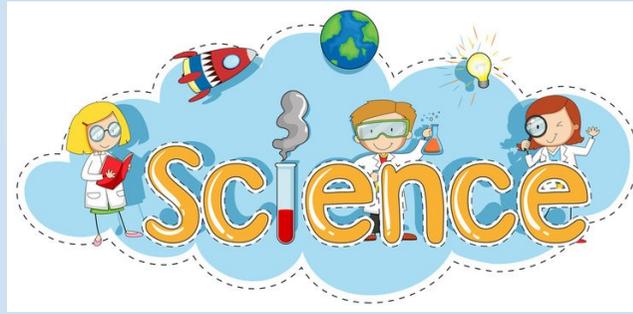
At Meir Heath Academy we actively seek opportunities for pupils to enhance their science capital. This is achieved by enabling children to contextualise their learning through real world experiences and encounters. Some examples of these include:-

- Animal visits—such as Rent a Beast rainforest animals.
- Class pets - such as Rent a Beast stick insects.
- Trip to Leicester Space Centre.
- Outdoor Learning in the school garden and outdoor classroom.





Science at Meir Heath Academy



Impact

Pupils at Meir Heath Academy have a good understanding of the subject science. They enjoy learning in science; especially when applying their developing subject knowledge to enquiry based learning.

Through our science curriculum pupils:-

- Understand the relevance of their learning in science to the wider world.
- Have the ability to solve problems, to reason, to think logically, and to work systematically and accurately.
- Can ask questions, plan and set up an enquiry, observe and measure, record findings, interpret and report on data and evaluate the findings and data.

