Children will be inspired to become curious learners, who have the resilience and confidence to succeed in life.

Science

Intent

At Medlar with Wesham Primary School, our children are SCIENTISTS!

Our intent is to give every child a broad and balanced Science curriculum which enables them to **confidently** explore and be **curious** about what is around them, so that they have a deeper understanding of the world we live in.

We want our children to love science. We want them to have no limits to what their ambitions are and grow up wanting to be astronauts, forensic scientists, toxicologists or microbiologists.

To achieve this, it involves exciting, practical hands on experiences that encourage curiosity and questioning. Our aim is that these stimulating and challenging experiences, build **resilience** and help every child secure and extend their scientific knowledge and vocabulary, as well as promoting a love and thirst for learning.

We want our children to remember their science lessons in our school, to cherish these memories and embrace the scientific opportunities they are presented with!

Curriculum Coverage

	AUTUMN	SPRING	SUMMER
EYFS ELGS	**Managing Self** Manage their own basic hygiene and personal needs, including dressing, going to the toilet and understanding the importance of healthy food choices **The Natural World** Explore the natural world around them, making observations and drawing pictures of animals and plants. **The Natural World** Understand some important processes and changes in the natural world around them, including the seasons and changing states of matter.		
Year 1	Seasonal changes and daily weather Introduce Plants – (trees) Animals, including humans	Everyday materials Revisit 1: Animals, including humans	Plants Revisit 2: Plants, Animals including humans
Year 2	Living things and their habitats Animals, including humans	Uses of everyday materials Revisit Living things and their habitats / materials	Plants Revisit Living things and their habitats Animals, including humans
Year 3	Rocks Animals, including humans Revisit Rocks	Forces and magnets Plants	Plants continued Light
Year 4	Living things and their habitats States of matter	Animals, including humans	Electricity Sound
Year 5	Properties and changes of materials Animals, including humans	Forces (Gravity and Galileo) Earth in space	Forces (Gravity and Galileo) Earth in space
Year 6	Electricity Animals including humans (circulatory system)	Animals including humans (water transport)	Living things and their habitats Evolution and inheritance

And whatever you do, in word or deed, do everything in the name of Lord Jesus, giving thanks to God the Father through Him.

Colossians 3:17

Expectations

Learning Model

Connected

Our work is built around
cognitive load theory
principles of instruction
evidence informed practice

Cumulative

We believe learning isn't an event. It must be knowledge-rich, vocabulary-rich and skilful

Coherent

Sequence matters
systematically planned
explicit instruction
supports acquisition of curriculum content

Books

- Knowledge organiser at the beginning of each new topic
- Knowledge note for each lesson
- Key vocabulary identified and highlighted in each lesson.

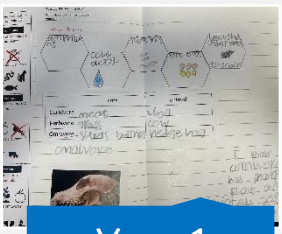
Assessment

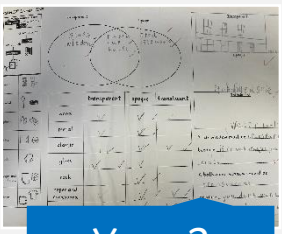
- Retrieval practice activities
- Assessment for learning during lessons
- Half-termly summative teacher assessments

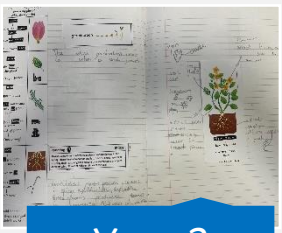
Displays

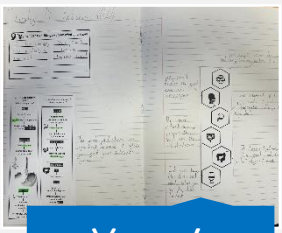
- Topic name and science strand displayed for current topic
- Lesson question on display for lessons taught
- Thinking Scientifically strands – dated for evidence

Examples of Work

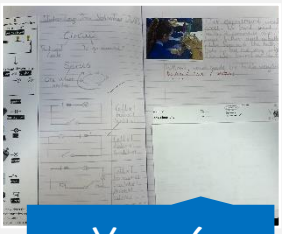

Year 1


Year 2


Year 3


Year 4


Year 5


Year 6