



SUBJECT ON A PAGE SCIENCE



Inspiring Today's Children To Embrace Tomorrow's Challenges

VISION



To inspire curiosity and understanding through scientific exploration, empowering children to question, explain, and value the scientific world around them.



INTENT



Through our Science Curriculum we intend to:

- Develop secure scientific knowledge and understanding in biology, chemistry, and physics through engaging, hands-on learning and exploration.
- Use working scientifically skills as our learning threads to explore the nature, processes, and methods of science.
- Ask questions, investigate, and articulate their ideas effectively with communication as our curriculum driver.
- Apply their scientific understanding to real-world contexts and embrace tomorrow's challenges with curiosity and confidence.



IMPLEMENTATION

We will implement our curriculum through:

- Integrating science across our curriculum topics, allowing children to make connections, identify relevance and apply their scientific understanding in a variety of contexts.
- Providing a two-year cycle which delivers a broad and balanced curriculum in biology, chemistry, and physics, through basic, advancing, and deep tasks which promote challenge, independence, and the development of higher-order thinking skills.
- Our learning threads. Children are taught to observe, question, investigate, and draw conclusions using evidence.
- Lessons and vocabulary that are carefully sequenced to ensure progression. Regular retrieval activities build systematically on previous learning, ensuring pupils revisit and deepen key concepts over time.
- Ensuring, wherever possible, learning is enriched through practical, hands-on experiences and the use of the outdoor environment, fostering curiosity, confidence, and a lifelong interest in science.
- During EYFS, the learning area of 'Understanding the world' builds essential foundations for children's scientific thinking as they begin their school learning journey.
- Our vulnerable learners are effectively supported through adaptive teaching strategies, hands on activities, and nurturing feedback to ensure they feel confident, included, and able to succeed in their science learning



IMPACT



We will ensure impact through:

- POP tasks at the end of each unit that demonstrate all pupils have secure scientific knowledge and skills.
- Learning that shows clear progression and accurate use of key vocabulary.
- A consistent culture of enquiry and high expectations of oracy, evident across the school.
- Staff deliver well-sequenced lessons that embed working scientifically skills, which children use to think and work like scientists.



www.gilthillprimaryschool.co.uk/

Follow the QR code to visit the Science page on our school website for more information.

