Green Wrythe Primary Science Curriculum

Intent
Vision and Objectives: • **Purpose:** Our science curriculum is designed to provide all children with a clear understanding of the world through engaging, enquiry-based science learning. • **Aim:** Developing knowledge and enquiry skills by encouraging questioning, observing, investigating, and using scientific vocabulary. • **End Goals:** Building long-term understanding, working scientifically with independence, and preparing for future science learning. • **Values:** Promoting curiosity, independence, progression, precision, and engagement in every science lesson.

Implementation - Through our **GW Drivers**, our Curriculum			
Inspires Excellence by:	**Fosters Positive Relationships** by:	Provides **'Golden Ticket'** learning by:	Promotes **Mastery** by:
Setting high expectations and building scientific knowledge through a clear, progressive curriculum. Using engaging, practical investigations that deepen understanding and spark curiosity.	Encouraging collaboration and discussion through shared investigations and scientific enquiry. Building confidence through supportive feedback and inclusive group work	Linking science to real-world contexts and other subjects to make learning meaningful and relevant. Offering memorable, hands-on experiences that inspire a love for science.	Revisiting and building on prior knowledge to strengthen understanding over time. Embedding key vocabulary and concepts through repeated, applied use in varied contexts.
Ensures **Equitable Access and Support** by:	**Promotes Oracy** by:	Facilitates **Formative Assessment** by:	Encourages **Always Learning** by:
Providing clear explanations, visual aids, and scaffolding to meet diverse learning needs. Making scientific vocabulary and resources accessible to all learners.	Encouraging pupils to articulate their thinking using accurate scientific vocabulary. Embedding discussion and questioning into lessons to support deeper understanding.	Using regular questioning, observation, and topic tasks to check understanding. Reflecting on assessment outcomes to adapt teaching and address misconceptions.	Connecting new learning to previous knowledge and real-life applications. Inspiring enquiry and curiosity through continual questioning and exploration.

Impact - Our Curriculum allows our pupils to live our **Values,** showing they are:		
Aspirational by:	**Compassionate** by:	**Resilient** by:
Setting high expectations and supporting pupils in developing the skills and knowledge needed for future success. Encouraging pupils to take pride in their progress and aim for excellence in scientific understanding.	Listening to pupils through regular discussions and valuing their individual learning journeys. Supporting all learners to access the curriculum and feel confident in their abilities.	Encouraging pupils to reflect on their learning and persevere when facing scientific challenges. Developing enquiry skills that require thinking critically, investigating thoroughly, and learning from mistakes.
Responsible by:	**Inclusive** by:	**Reflective** by:
Guiding pupils to take ownership of their learning and progress. Teaching pupils to use scientific skills thoughtfully and ethically to understand the world around them.	Providing opportunities for all pupils to achieve through careful planning and support. Ensuring every child can access and articulate scientific concepts using rich vocabulary.	Encouraging pupils to evaluate their learning against key outcomes and standards. Using self-assessment and discussion to deepen understanding and improve future learning.