



Markland Hill Primary School – SCIENCE Intent, Implementation and Impact Statement

HISTORY	INTENT	IMPLEMENTATION	IMPACT
	At Markland Hill, aim is to inspire curiosity in children so that they ask questions about the world around them and are enthused to explore and investigate their surroundings and the wider world further. Science at Markland Hill is successful when: - Children are enthused and inspired by practical investigations and enrichment opportunities, through visitors and whole school events. - Teaching enables children to develop their scientific knowledge, building on their prior knowledge and extending their scientific vocabulary. - Children have the opportunity to develop investigative skills through the use of a range of enquiry types. - Pupils have the opportunity to revisit learning so that they can commit knowledge to long term memory. - Children learn about scientists who have shaped our world and those that continue to do so.	In order to implement our intentions, we: - Across Years 1-6, teach Science within explicit units, in line with the National Curriculum and the PLAN matrices for knowledge and working scientifically. - Regularly plan investigative activities which children work in either small groups or as a whole class to complete. - Provide children with opportunities to explore, question, predict, plan, carry out investigations and observations as well as conclude their findings. - Ensure, pupils build upon learning from prior year groups therefore developing depth of understanding and progression of skills. - During each unit, scientists and careers are explored allowing opportunities for children to see themselves as scientists and encourage them into a future STEM career. - Ensure there is opportunity for retrieval practise through knowledge organisers and mini quizzes. Key vocabulary is identified for each unit of work, displayed in classrooms and on Knowledge Organisers and is regularly referred to during lessons to ensure a clear understanding. - Ensure there are a multitude of exciting cultural capital opportunities to engage and spark interest and to make knowledge memorable. - Provide regular CPD for staff delivered by subject leader or subject specialists (Hester Binge, Bolton School). Our curriculum focuses on the themes outlined in the National Curriculum which consists of <i>Plants, Materials, Rocks, States of Matter, Light, Sound, Forces, Electricity and Evolution and Inheritance</i>.	In order to ensure that we measure meaningful impact, we aim to moderate termly to ensure progression. This moderation process will include looking for progression of skills, knowledge and understanding. This is done through: - scrutinising work - learning walks - lesson drop ins - pupil voice conducted alongside the science subject ambassadors Through this approach of constantly reviewing and revisiting the impact of science, we are able to help staff teach an improved science curriculum as well as improve progress. Our pupils show high levels of engagement in science lessons and are inquisitive about the world around them.



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