



CURRICULUM ACTION PLAN 2021-22

Date:	October 2021	Subject/Focus Area:	Science	Completed by:	T.Smith
Links to Whole School Development Priorities (please tick the last column to show which priority your objectives link too)		1. To extend children's understanding and use of subject specific vocabulary.			✓
		2. To improve and broaden children's strategies for spelling in all year groups.			
		3. To further enhance the attainment and progress of children with identified SEND.			
		4. To develop the use of manipulatives in Mathematics in order to improve children's overall understanding of key concepts.			

Our vision for Markeaton Scientists

At Markeaton Primary School, we want a high-quality science curriculum to provide the foundations for understanding the world through biology, chemistry and physics.

Our children will be taught essential aspects of the knowledge, methods, processes and uses of science. Through building-up a body of key foundational knowledge and concepts, they will be encouraged to generate and investigate their own scientific questions about the world around them, recognise the power of rational explanation and develop a sense of excitement and curiosity.

Children will leave Markeaton Primary School understanding how Science can be used to explain what is occurring, predict how things will behave and analyse causes in a purposeful and meaningful way.

What actions will you take in your subject to help improve the children's ability to read and/or apply reading skills?

- Scientific research – ask children to think critically while carrying out research in books or on the internet.
- Identifying if a source has potential bias or is a potential unreliable source.



Targets <i>(please highlight any targets which strengthen the connectivity of the curriculum)</i>	Implementation					Impact	
	Objective	Action(s)	Staff	Resources (costs if applicable)	Start date	End date	Success criteria
To ensure staff engage with professional development to improve Science teaching and learning.	Use staff meeting time to share the ReachOut CPD site and the STEM website. Share any recent updates from the termly Science network meetings.	TS	ReachOut CPD site STEM site	Oct 2021	July 2022	Staff will feel confident to identify gaps in their own subject knowledge and will use the CPD sites shown to improve their teaching. Staff will show a good understanding of the subject content being taught and be able to use and understand subject specific vocabulary.	Lesson observations
To use the TAPs tasks to ensure we have a focussed and consistent assessment in place.	Use staff meeting time to share the TAPs tasks with staff and how to use them.	TS	TAPs assessment tasks	Oct 2021	July 2022	All staff will be using the TAPs assessment tasks to more confidently inform their judgments when inputting data onto MAGs.	Data analysis
To develop children's Science capital throughout the school.	Assembly on Science capital.		BASF visit. (Family donations)	Oct 2021	July 2022	Children will be aware of what	Pupil voice at the start of the



	<p>Try to re-organise the BASF visit for Y6.</p> <p>Organise Engineering club to go ahead (was cancelled last year)</p> <p>Can any parents who use Science within their job come in and talk about it?</p> <p>Ensure Science is on everyone's homework grids.</p>		<p>Big bang event if it's on next year.</p> <p>Parents coming into school to talk about how they use Science within their work.</p>		<p>Science capital is and what it means.</p> <p>They will see Science as more than just a subject that they learn at school.</p>	<p>year, then at the end.</p>
--	---	--	---	--	--	-------------------------------