



CURRICULUM ACTION PLAN 2021-22

Date:	October 2021	Subject/Focus Area:	Maths	Completed by:	R Hughes and K Herriman
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 Mathematicians

At Markeaton Primary School, we believe Mathematics is a creative and highly interconnected subject that is essential to everyday life, not only as a keystone to science, technology and computing, but also in the wider world.

*Our Mathematics provision at Markeaton Primary School will provide **all** children with the foundation for understanding number, the ability to reason, think logically and problem solve with resilience. It is essential that this provision is woven throughout all strands of the National Curriculum.*

By adopting a mastery approach, it is intended that all children, regardless of their starting point, leave Markeaton Primary School with an appreciation and enthusiasm for Maths and a lifelong positive relationship with number.

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

- Reading skills in interpreting reasoning and worded problems;
- Familiarity with key maths vocabulary (appropriate to the year group);
- Inferring which skills are required to solve multi-step problems;
- Explaining calculation routes to achieving answers.



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	Monitoring
To increase connectivity between Maths and the wider curriculum.	<p>Lead departments to actively seek meaningful links between maths and all other curricular subjects.</p> <p>Ensure opportunities to include Maths are highlighted and encouraged.</p> <p>Staff meeting to share ideas on how to include maths across the curriculum.</p> <p>Planning scrutiny – termly.</p>	KH and RH to lead on planning scrutiny. STEM family to ensure maths opportunities are taken within teams.	Cover costs for planning scrutiny	Sep 21	Aug 22	<p>Maths will be seen as an enjoyable and exciting subject that underpins other learning.</p> <p>Plans reflect connectivity.</p> <p>Teacher are proactive in seeking opps for cross-curricular learning.</p>	<p>Walk arounds</p> <p>Books</p> <p>Pupil voice</p> <p>Planning scrutiny</p>



<p>To promote the use of manipulatives, where appropriate, in order to improve understanding and raise attainment of all pupils</p>	<p>Audit resources currently available for support.</p> <p>Ensure they are specific for the needs of year groups.</p> <p>Discussions with pupils about what resources they find most useful.</p>	<p>STEM family</p>	<p>Time</p> <p>Amount not known – depends on audit. Approach PTFA for funding?</p> <p>Hands on maths books 1 per year group. £150</p>	<p>Sept 21</p>	<p>Dec 21</p>	<p>All classrooms appropriately resourced.</p>	<p>Walk arounds</p> <p>Books</p> <p>Pupil voice</p>
<p>To ensure consistent and correct use of mathematical vocabulary throughout the school.</p>	<p>Staff meeting on key mathematical vocabulary and the importance of consistency.</p> <p>Lesson observations Scrutiny of planning/book looks/learning environment including working walls</p>	<p>KH and RH</p> <p>STEM family to check correct use of vocabulary during planning meetings</p>	<p>CPD on WhiteRose if required – membership cost for premium resources (£99 p/year)</p> <p>Cover for time out the classroom for book looks and lesson observations.</p>	<p>Sept 21</p>	<p>July 22</p>	<p>All teachers will have a secure knowledge of manipulatives and use them confidently within their maths lessons.</p> <p>Use of manipulatives will be evident in planning and books.</p>	<p>Walk arounds</p> <p>Pupil voice</p> <p>Books</p> <p>Lesson observations</p> <p>Twitter (maths lesson pictures)</p> <p>Planning scrutiny</p>



<p>To address mathematical gaps in learning and continue to develop the subject knowledge and pedagogy required to teach successful Maths sessions.</p>	<p>Set up subscription to enhanced resources on White Rose for targeted lesson resources to recap, rehearse or consolidate prior learning. Video tutorials also showcase clear explanations for modelling to the class.</p> <p>It is also then possible to link lessons in school with any home learning that may be necessary.</p>	<p>STEM</p> <p>All staff</p>	<p>Subscription fee £99 a year</p>	<p>Sept 21</p>	<p>July 22</p>	<p>Use of suitable resources seen in class.</p> <p>Teacher confidence and observations show that Teachers know the steps needed to go back and move forward with learning.</p> <p>WR resources used, as appropriate, in class.</p> <p>Pupils' knowledge gaps are addressed and good progress is made.</p> <p>Home and School learning closely linked and parents are equipped to help their children learn at home if necessary.</p>	<p>Observations</p> <p>Discussions</p> <p>Walk arounds</p> <p>Pupil voice</p> <p>Parental responses.</p>
---	---	------------------------------	------------------------------------	----------------	----------------	--	--