

Mission: Outstanding by 2018

Link Governor: Rachel Fletcher

Strategy 3: Improve teaching of Mathematics to deepen learning for all pupils: Teaching and Learning

Key Strategic Aim	Lead	Expected Impact	Internal Monitoring	By whom	External Monitoring	By whom
3.1 Effective planning, which helps embed concepts and shows clear progression and differentiation.	HS (KS1) KP (EYFS)	Number concepts embedded effectively. Consistency of planning across phase. Coverage of year group statements. Learning builds on prior learning to aid progression. All children can access learning through effective differentiation.	Key Stage meetings- planning scrutiny Book looks SLT Meetings	HS/KP HS/GS SLT	South Glos Maths consultant visit	Liz Thomas
3.2 To use child lead Discovery maths sessions to help develop our children as mathematicians.	HS	Engagement and enthusiasm in maths. Understanding of number solidified. Children developing as mathematicians; able to spot patterns, ask questions and make predictions. Maths talk used and encouraged in learning.	KS1 Discovery maths training Maths learning walks Book looks and observations	HS HS HS/GS	Maths leader/s at St Michaels Link with Jon Gore@St Michaels 5x5x5?? Alf?	Carol Watts and Jon Gore

Strategy 3: Improve teaching of Mathematics to deepen learning for all pupils: Assessment

Key Strategic Aim	Lead	Expected Impact	Internal Monitoring	By whom	External Monitoring	By whom
3.3 Consistent and effective use of assessment to inform planning and interventions	HS (KS1)	All children making progress in maths.	SPTO analysis	KP	Maths advisor	Liz Thomas
	KP (EYFS)	Clear overview of present attainment through SPTO.	KS1 Interventions	HL/HS	LA School improvement visits	Rob Sidaway
	HL	Planned maths interventions making considerable impact on learning.	Pupil progress meetings Reports to Governors	HS HS		

Strategy 3: Improve teaching of Mathematics to deepen learning for all pupils: Resources

Key Strategic Aim	Lead	Expected Impact	Internal Monitoring	By whom	External Monitoring	By whom
3.4 To have appropriate and organised maths resources that aid learning in each phase.	HS (KS1)	Resources are used by the children to help them embed maths concepts, thus making progress.	Classroom resources check Shared resources for phase	HS		
	KP (EYs)	Shared resources and organised resources help with planning and teaching and learning. Number resources in outdoor areas aid the joy of number!				

Milestones				
Who	Strategy	Term 2 2016-17	Term 4 2016-17	Term 6 2016-17
Maths Subject Leader	3.1 Planning	<p>KS1 termly overviews in place (for T3 and 4)</p> <p>Review of planning with KS1 team</p> <p>Weekly KS1 meetings to look at planning for following week (Thursdays 3.15)</p> <p>Report to governors to include KS1 planning comments</p> <p>Book look- does it match to planning?</p> <p>Make SPTO statement stickers as 'walts' for books</p>	<p>KS1 termly overviews in place (for T5 and 6)</p> <p>Review statement coverage so far</p> <p>To review and discuss differentiation in planning in Key Stage 1 meetings</p> <p>Report to governors to include KS1 planning comments</p> <p>Book look- is there clear progression linked to planning?</p>	<p>KS1 termly overviews in place (for T1 and 2)</p> <p>KS1 maths review of this year- what has gone well? What would we like to keep the same/amend for September?</p> <p>Report to governors to include KS1 planning comments</p> <p>Book look- are children being challenged through planning?</p>
	3.2 Discovery maths	<p>KS1 Discovery Maths Training</p> <p>Give teachers a couple of pattern spotting lessons to trial (number journeys, Cuisenaire, adding to a number)</p>	<p>Learning walk: Discovery maths session</p> <p>KS1 Meeting: Share examples of Discovery Maths sessions- bring examples of work.</p>	<p>Learning walk: Is effective talk and child-lead Maths learning happening in each classroom?</p> <p>Pupil conferencing</p>
	3.3 Assessment and interventions	<p>Input data into SPTO in October against the number statements</p> <p>Make SPTO statement stickers as 'walts' for books</p> <p>Pupil progress review meetings</p> <p>Identify groups for interventions and plan with Hala for Emily.</p>	<p>Look at data in SPTO for current attainment and progress</p> <p>Pupil progress review meetings</p> <p>Look at impact of KS1 intervention groups with Hala</p> <p>Plan timetable for Year 2 testing</p>	<p>Look at data in SPTO for current attainment and progress</p> <p>Pupil progress review meetings</p> <p>Analysis of KS1 tests- arithmetic and application paper</p>
	3.4 Resources	<p>Organise and check resources within classes available for learning.</p> <p>Arrange a shared resources area for shape and measure</p> <p>Look at what is currently available on IPADs and look into other options of apps to download that support maths statements</p>	<p>Investigate community projects funded by banks to get 100 square/number line painted on back playground.</p>	<p>List resources available to aid the different areas of learning in maths. Create 'how to use Cuisenaire to embed number concepts' little pack/sheet</p>



Monitoring and Evaluation: Maths Subject Leader			
	Term 2 2016-17	Term 4 2016-17	Term 4 2016-17
3.1 Planning			
3.2 Discovery maths			
3.3 Assessment and interventions			
3.4 Resources			

Who	Strategy	Term 2 2016-17	Term 4 2016-17	Term 6 2016-17
SLT	3.1 Planning	KP: Review of planning EYS and progress reviews KP: Regular phase meetings to discuss and plan Phases to report to governors	Look for clear progression in planning Does progression in planning match work in books Phases to report to governors	Phase termly overviews in place (for T1 and 2) Phase maths review of planning this year- what has gone well? What would we like to keep the same/amend for September? Phases to report to governors Book look- are children being challenged through planning?
	3.2 Discovery maths	KP to watch some Discovery maths in Maple Class	Learning walk feedback: Discovery maths sessions	Learning walk feedback: Is effective talk and child-lead Maths learning happening in each classroom? Pupil conferencing feedback
	3.3 Assessment and interventions	End of EYs results to be in SPTO by October Discuss SPTO: How many bands of progress? When to use P-levels? Using PK codes?	Look at data in SPTO for current attainment and progress Feedback from pupil progress review meetings Look at impact of KS1 intervention groups Plan timetable for Year 2 testing	Look at data in SPTO for current attainment and progress Feedback from pupil progress review meetings Discuss KS1 tests
	3.4 Resources	Make decisions on resource ordering budget and who will take on what.	Investigate community projects funded by banks to get 100 square/number line painted on back playground.	Phase leaders to ensure resources are organised and in place for T1



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Monitoring and Evaluation: SLT			
	Term 2 2016-17	Term 4 2016-17	Term 4 2016-17
3.1 Planning			
3.2 Discovery maths			
3.3 Assessment and interventions			
3.4 Resources			

Who	Strategy	Term 2 2016-17	Term 4 2016-17	Term 6 2016-17
Teachers	3.1 Planning	<p>KS1: Termly overview in place for T1, 2 and 3. Planning across phase, begin using statements from SPTO for planning and walt stickers. Gain clear understanding of statements and progression.</p> <p>EYFS: Ensure planning for maths matches SPTO statements and shows clear progression</p> <p>Both phases, in phase meetings: Planning review, look at differentiation and work in books.</p>	<p>Clear progression in planning</p> <p>Does progression in planning match work in books?</p>	<p>Phase termly overviews in place (for T1 and 2)</p> <p>Phase maths review of planning this year- what has gone well? What would we like to keep the same/amend for September?</p> <p>Phases to report to governors</p> <p>Book look- are children being challenged through planning?</p>
	3.2 Discovery maths	<p>Discovery maths session in KS1 meeting- Hannah to share a bit more about it and look at some pattern spotting activities together.</p>	<p>Learning walk of Discovery maths sessions</p>	<p>Learning walk: Is effective talk and child-lead Maths learning happening in each classroom?</p>
	3.3 Assessment and interventions	<p>October input into SPTO for number</p> <p>Plan for Emily interventions after half term (*if needed)</p>	<p>SPTO data input and statement highlighting</p> <p>Pupil progress review meetings</p> <p>Plan timetable for Year 2 testing</p>	<p>Look at data in SPTO for current attainment and progress</p> <p>Pupil progress review meetings</p> <p>Discuss KS1 tests</p>
	3.4 Resources	<p>Check resources and organise</p>	<p>*Possibly getting playground painted: Hannah to investigate community projects funded by banks to get 100 square/number line painted on back playground.</p>	<p>Ensure resources are organised and in place for T1. Order resources needed.</p>



Monitoring and Evaluation: Teachers			
	Term 2 2016-17	Term 4 2016-17	Term 4 2016-17
3.1 Planning			
3.2 Discovery maths			
3.3 Assessment and interventions			
3.4 Resources			



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Who	Strategy	Term 2 2016-17	Term 4 2016-17	Term 6 2016-17
TAs	3.1 Planning	KS1: TAs to have opportunity to work with different groups in maths during week.	TAs to know timetable and who and when they are working with who. Plans up on wall that TA can refer to/TA book- whatever works best between you and teacher	Carry out some pupil conferencing
	3.2 Discovery maths	To begin to use the language of discovery maths and make observations helpful to teacher for assessment.	Observe discovery maths session lead by teacher, and if possible observe a group time lead by teacher.	Training session: language to use to help children develop as mathematicians
	3.3 Assessment and interventions	Number intervention focus groups with TA in class, if needed. Marking	Number intervention focus groups with TA in class, if needed. Marking to assist teacher in marking against walt statements	Number intervention focus groups with TA in class, if needed. Marking to assist teacher in marking against walt statements
	3.4 Resources	Check resources and organise	Keep check of resources- are resources organised and labelled	Ensure resources are organised and in place for T1. Order resources needed.



Monitoring and Evaluation: Teaching Assistants			
	Term 2 2016-17	Term 4 2016-17	Term 4 2016-17
3.1 Planning			
3.2 Discovery maths			
3.3 Assessment and interventions			
3.4 Resources			