

Focused Priority 1	All pupils make at least expected in year progress for mathematics (YR to Y6)
<p>What will be different for children (emphasise learning & achievement)?</p> <p>Ofsted category cross reference: 01 02 04 05</p> <p>Ofsted Areas requiring improvement: L&M 1 and 2, TLA&O 2 and 4, EY1</p>	<p>Children will be aware of a focus in their classroom to improve the confidence and achievement of all children in mathematics. Children will be given opportunities to demonstrate their understanding and to consolidate skills. Children will be able to use precise mathematical vocabulary to explain their thinking. Children will be able to demonstrate effective calculation strategies for all operations of number, according to their age and stage. Children will make demonstrable progress in learning their tables and division facts, parents will be encouraged to support this learning at home. All children will make expected progress taking into account their starting points. Some will make accelerated progress and where expected progress is not achieved interventions will be in place to support children to catch up.</p>

Targets	Success criteria
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All pupils will make at least 6 points progress (Symphony Assessment system). Some pupils will make 7 points progress (Symphony Assessment system). Pupils will be selected for accelerated progress through teacher appraisal.

Year Group	SAS Baseline attainment July 2017	SAS Target attainment July 2018	December 2017	April 2018	July 2018
1	3.95	10.95	Target 5.95 Achieved 5.85	Target 8.45	Target 10.95
3	14.79	21.79	Target 16.79 Achieved 16.5	Target 19.29	Target 21.79
4	20.84	27.84	Target 22.84 Achieved 23.00	Target 24.84	Target 27.85
5	27.64	34.64	Target 29.64 Achieved 29.53	Target 32.14	Target 34.64

Pupils will be tracked using prior attainment information to ensure progress is maximised. Some Y2 pupils will be targeted to move from EYFS emerging to Y2 EXS in line with national average. KS2 pupils will be tracked to ensure they are making expected progress from KS1 outcomes.

	Baseline attainment	Target attainment July 2018	Nov 17	Jan 18	Apr 18	July 18
Y2	2016 EYFS Maths 59 pupils EXP+= 63% GDS= 5%	EXP+= 68% GDS = 10%	Target = 20% 24% of pupils are ARE for this point in the year on symphony (14+ points)	Target = 40% 37%	Target = 55%	Target = 68%

- 🎯 Children will be able to talk about their mathematics, identifying their strengths and what they need to improve
- 🎯 Children will all make expected progress in mathematics this year, some will make more than expected
- 🎯 Children will demonstrate the use of effective calculation strategies for all operations of number, according to their age and stage
- 🎯 Children who are falling behind will be targeted for intervention
- 🎯 Children will be able to demonstrate their understanding and reasoning through talk, use of visual equipment and apparatus and problem solving ability
- 🎯 Children will be able to recall timestables and division facts appropriate for their age and stage
- 🎯 Tracking of vulnerable groups ensures interventions can be timely and effective in accelerating rates of progress (PPG, SEND, EAL)

			Target = 0% Achieved 0%	Target = 3% Achieved 0%	Target = 6%	Target = 10%
Y6	KS1 APS starting point used to forecast the % who need to reach EXP+ and GDS. FFT estimates.	EXP+ = 65% GDS = 10%	Target = 35% Achieved 25%*	Target = 45% Achieved 33%	Target = 55%	Target = 65%
			Target = 2% Achieved 0%*	Target = 5% Achieved 2%	Target = 8%	Target = 10%

*11 children = 25%, 4 more pupils needed to meet target. 1 child only -2 from pass mark. Only 1 child was needed to achieve GDS to meet target.

Reception pupils were baselined following school procedures. Pupils will be given targets for progress in line with VPA expectations:

4 steps – VPA minimum expected progress

5 steps – VPA good progress

6+ steps – VPA rapid progress

	Baseline % attainment October 2017	Target attainment July 2018	December 2017	March 2018	July 2018
YR	22-36 39% 30-50 61%	Targets: 40-60 35% ELG 60% ELG Exc 5%	Targets (achieved) 22-36 20% (27%) 30-50 65% (57%) 40-60 15% (16%)	Targets: 30-50 35% 40-60 65%	Targets: 40-60 35% ELG 60% ELG Exc 5%

Key People	Funding & Resources
Linda Embling – Mathematics improvement leader. Jane Wall – Pupil premium champion Sarah Whiteman – Vice principal – EYFS strategic leader. Jo Costanzo – PiXL lead Sally Spencer – Inclusion Manager Hayley Scargill – lead trainer for symphony assessment core subjects	<ul style="list-style-type: none"> • Tackling Tables – times table scheme (£520) • White Rose Maths Hub scheme (free) • Investment in PiXL membership • Quality concrete resources <p>Budget for mathematics to be agreed and amounts will be added</p>

Actions (and those responsible)	Who monitors?	Who evaluates? *	When	Check Date when completed
Implement Tackling tables scheme for Year 2 to Year 6. Training to be carried out by LE in September, implemented Y2 to Y6	LE	SMT	Sept 2017	
Monitor Tackling Tables outcomes termly and challenge and support class teachers where necessary	LE	SMT	Oct, Dec, Feb, Apr, May, July	
Pupils in vulnerable groups tracked carefully in mathematics and as distinct groups to ensure any issues can be tackled quickly, teachers to be aware of which groups are most vulnerable for their class (PPG, SEND, EAL, other groups as noted in cohort profiles)	HS PPG – JW SEND/EAL – SS	SMT	Oct, Dec, Feb, Apr, May, July	
Implement White Rose scheme of work. Training to be carried out by LE. With additional support for teams in team meeting times when needed	LE	SMT	Sept 2017	
Monitor use of White Rose scheme of work: planning and work scrutiny	LE	SMT	Oct, Dec, Feb, Apr, May, July	
Implement new guidance for vocabulary, carry out training for teaching team	LE	SMT	Sept 2017	
Monitor use of vocabulary guidance: planning, work scrutiny and learning walks	LE	SMT	Oct, Dec, Feb, Apr, May, July	
Training in use of calculation and use of bar model, implement new document	LE	SMT	Sept 2017	
Monitor use of calculation policy and bar model: planning, work scrutiny and learning walks	LE	SMT	Oct, Dec, Feb, Apr, May, July	
Implement White Rose progress tests (arithmetic and reasoning) 3x a year for year 1-5	LE	SMT	Dec Apr July	
Ensure expectations for use of working walls are in place in all classrooms, monitored and feedback given	LE	SMT	Sept Jan Apr	
Implement new assessment system (symphony). Training in September led by HS and follow up training half termly	HS	SMT	Oct, then half termly	
Moderation of mathematics judgements using symphony, internally and with HAT schools	HS	SMT	In line with schedule	
Training in use of Symphony excel to make final termly judgements and analysis of data	HS	SMT	Nov 2017	
Training in use of symphony matrices to select pupils for accelerate pupils target	HS	Appraisers	Mid-year and final reviews	
Identify pupils who are falling behind and target them for interventions. Formally after each data drop, but continuously following any concerns raised through lesson observation, monitoring etc.	LE	DH/EC PW IP JC	3x a year	

Engage parents with supporting their child's mathematics at home. Trial new reception maths home learning scheme	LE	R leaders	Nov onwards	
Engaging parents with supporting children with arithmetic skills at home (timestables (Y2 to 6) and numbers bonds (Y1))	LE	Team leaders	Oct onwards	

Evaluation:

*the majority of evaluation for focus priorities will be carried out by the SMT. This will be in the form of presentations to the SMT by improvement leaders - question and answer sessions will take place and follow up will be agreed.

December 2017:

Effective use of working walls is supporting children's independence. Vocabulary helps children to articulate their thinking and reasoning.

In a growing number of classrooms challenges displayed provide both extension and challenge to pupil learning.

Models and images support the pupils to make links in their learning and to deepen and secure their understanding.

An increasing number of staff are confident in choosing content for their working walls which links directly to current learning.

The maths lead has carried out joint lessons observations with the head teacher and completed book scrutinies, along with informal support with planning, this has enabled her to have a clear picture of where she needs to target her support for individual members of staff.

The introduction of the White Rose scheme of work for mastery has provided a consistent approach across the school and ensured mathematics is taught in a logical order. It ensures the pitch of lessons is age appropriate and supports teachers in providing challenge and support for all pupils. The maths lead is aware through monitoring which teachers need additional support to use this new material to best effect.

Tackling tables scheme has been introduced in years 2 to 6. Children are showing high levels of engagement and enjoying learning both multiplication and division facts. There has been a high take up of home packs by parents with 77 families in year 2-6 having purchased packs to practise with at home. An end of term assessment will enable the maths lead to assess the success of this new system more accurately.

Progress of pupils in mathematics using the symphony assessment system:

Y1	1.97
Y2	2.36
Y3	1.71
Y4	2.16
Y5	1.90
Y6	2.02

(expected range 1.75 to 2.25)

Pupil progress in mathematics for the autumn term has been most rapid in Y2 and Y6. The progress of pupils in Y3 needs further investigation.

Supporting evidence:

- Working wall and learning walk monitoring feedback
- Summary of maths lesson observations
- Summary of book scrutiny

- Tackling Tables baselines and first assessment outcomes
- Parent engagement with tackling tables