

The School Improvement Plan 2017-18 Maths

Goal:

To improve the quality of teaching reasoning in maths, enabling progress to increase across the school, so that all children are on target to meet end of KS expectations relative to starting points, by ensuring:

Objectives:

- A whole school understanding of what reasoning is.
- Resources within classes to support the reasoning process.
- Strategies and classroom practice evolve to support and develop reasoning skills.

Tracking Progress through Milestones

Goal		From (July 2017)	End of Autumn Term	End of Spring Term	End of Summer Term	To (July 2018)
To improve the quality of teaching reasoning in maths, enabling progress to increase across the school, so that all children are on target to meet end of KS expectations relative to starting points	Tracking	Maths	Points Progress (Classroom Monitor)	Points Progress (Classroom Monitor)	Points Progress (Classroom Monitor)	
		<p>Y6 Arithmetic 2016 64.5% 2017 75% +8.9%</p> <p>Y6 Reasoning 2016 56.6% 2017 56.6% +0</p>	<p>Y6 – 1.50</p> <p>Y2 – 0.74</p> <p>R – N/A</p> <p>Y1 – N/A</p> <p>Y3 – 0.57</p> <p>Y4 – 0.89</p> <p>Y5 – 1.03</p> <p>School Average = 0.95</p> <p>Expected Progress 0.9 – 1.2 points</p>	<p>Y6 – 2.94</p> <p>Y2 – 1.91</p> <p>R – 2.67</p> <p>Y1 – 2.04 (eq)</p> <p>Y3 – 1.84</p> <p>Y4 – 1.75</p> <p>Y5 – 2.29</p> <p>School Average = 2.16</p> <p>KS2 = 2.29</p> <p>KS1 = 1.98</p> <p>Expected Progress 1.9 – 2.2 points</p>	<p>Y6 –</p> <p>Y2 –</p> <p>R –</p> <p>Y1 –</p> <p>Y3 –</p> <p>Y4 –</p> <p>Y5 –</p>	

	Evaluation		Overall the school is making expected progress. Less progress being made in Years 2,3 and 4. Strong progress being made in Year 6.	Overall the school is making expected progress. With just under expected being made in Years 3 and 4.		

Leader : Sam Parkin

What would you like to achieve (e.g. improve...)	How might you/we go about it?	How will you be able to measure if you've achieved it?	How much will this cost ?	Monitoring by...
A whole school understanding of what reasoning is.	1 Staff Meeting Autumn Term to define a whole school definition of reasoning	Staff Meeting completed and Definition in place 30.10.17	Time for staff meeting	SP
	1 Staff Meeting to explore year group progressive questioning to enable reasoning to take place	Staff Meeting completed and progression grid for reasoning questions in place 6.11.17	Time for staff meeting	
	Research read and used by staff team to define reasoning and research best practice	Reading by staff completed and used to influence definition and progression questioning grids	Time	
Resources within classes to support the reasoning process.	Visit to see high quality practice in a Primary School	Visit completed 13 th June 2017 to Downview Primary School	Time – 1 morning	SP
	Define resources for each cohort	Resources reviewed by end of Summer term 2017	Leadership Time – 1 day	
	Purchase of resources and boxing up	All purchase made and resources in classrooms – checked through the Given's review	1 staff meeting 13.11.17 Review Autumn and Spring term	

Leader : Sam Parkin

What would you like to achieve (e.g. improve...)	How might you/we go about it?	How will you be able to measure if you've achieved it?	How much will this cost ?	Monitoring by...
Strategies and classroom practice evolve to support and develop reasoning skills.	See Year Group Commitments for Reasoning	See Year Group Commitments for Reasoning – termly basis	Leadership Time 2 days	S&O Team Trustees
	Maths Lead to feedback to S&O Team	Termly 15 th January 2018 and 23 rd April 2018	2 S&O Meetings	
	HT to feedback to Trustees	Termly as part of HT Report	HT time and 2 x Trustee Meetings	Trustees

An on-going report of actions and outcomes in this subject area

Reasoning in maths: On-going action report

- See Maths Lead Action Plan <Z:\Mr Parkin\4 Maths\Maths lead\2017-2018\Year R Maths improvements tracker.docx> <Z:\Mr Parkin\4 Maths\Maths lead\2017-2018\Year 1-2 Maths improvements tracker.docx> <Z:\Mr Parkin\4 Maths\Maths lead\2017-2018\Year 3-4 Maths improvements tracker.docx> <Z:\Mr Parkin\4 Maths\Maths lead\2017-2018\Year 5-6 Maths improvements tracker.docx>
- See maths Journey Log <Z:\Mr Parkin\4 Maths\Maths lead\Maths journey log.docx>
- S&O Reviewed Plan 18.12.17