

# The School Improvement Plan 2017-18 Maths

## Goal:

To improve the quality of teaching reasoning in maths, enabling levels of progress to increase across the school 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 levels of progress to increase across the school	Tracking	<b>Maths</b>  <b>Y6 Arithmetic</b> 2016 64.5% 2017 75% +8.9%  <b>Y6 Reasoning</b> 2016 56.6% 2017 56.6% +0	<b>Points Progress (Classroom Monitor)</b>  <b>Y6 – 1.50</b>  <b>Y2 – 0.74</b>  <b>R – N/A</b>  <b>Y1 – N/A</b>  <b>Y3 – 0.57</b>  <b>Y4 – 0.89</b>  <b>Y5 – 1.03</b>  <b>School Average = 0.95</b>  Expected Progress 0.9 – 1.2 points	<b>Points Progress (Classroom Monitor)</b>  <b>Y6 –</b>  <b>Y2 –</b>  <b>R –</b>  <b>Y1 –</b>  <b>Y3 –</b>  <b>Y4 –</b>  <b>Y5 –</b>	<b>Points Progress (Classroom Monitor)</b>  <b>Y6 –</b>  <b>Y2 –</b>  <b>R –</b>  <b>Y1 –</b>  <b>Y3 –</b>  <b>Y4 –</b>  <b>Y5 –</b>	
	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.			

**Leader : Sam Parkin**

<b>What</b> would you like to achieve (e.g. improve...)	<b>How</b> might you/we go about it?	How will you be able to <b>measure</b> if you've achieved it?	How much will this <b>cost</b> ?	Monitoring by...
<b>A whole school understanding of what reasoning is.</b>	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	
<b>Resources within classes to support the reasoning process.</b>	Visit to see high quality practice in a Primary School	Visit completed 13 <sup>th</sup> 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	
<b>Strategies and classroom practice evolve to support</b>	See Year Group Commitments for Reasoning	See Year Group Commitments for Reasoning – termly basis	Leadership Time 2 days	S&O Team Trustees

**Leader : Sam Parkin**

<b>What</b> would you like to achieve (e.g. improve...)	<b>How</b> might you/we go about it?	How will you be able to <b>measure</b> if you've achieved it?	How much will this <b>cost</b> ?	Monitoring by...
<b>and develop reasoning skills.</b>	Maths Lead to feedback to S&O Team	Termly 15 <sup>th</sup> January 2018 and 23 <sup>rd</sup> 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
-