

School Improvement Plan for Mathematics

GOWRAN NATIONAL SCHOOL

September 2015 – June 2016

Baseline data	<ul style="list-style-type: none"> • Drumcondra test results for 2015 were analysed. We are delighted that the average overall percentile increased by 4, with 74% of pupils scoring a sten of 6 or more, which is up 6% on the previous year. • The scores for the area of Problem Solving which has been one of our targets have improved. The overall score was 62% which is up 9% on last year. This has exceeded our expectations but it is clear that the ground work of the last two years is paying off. • The area of Measures has also shown satisfactory improvement with an overall score of 58% which is up 5% on 2014 – again surpassing expectations. 			
Summary of main areas requiring improvements	<p>While scores in the targeted areas are improving, we intend to build on these in the coming year with more emphasis on the use of ICT to enhance the learning experience.</p> <ul style="list-style-type: none"> • Attainment of curriculum objectives: Process of Problem Solving – To maintain the improvement in scores achieved • Attainment of curriculum objectives: Strand – Measures – to continue to improve scores • Pupils’ engagement in learning/ Teaching approaches: collaborative and co-operative learning • Learner outcomes: Motivated pupils who enjoy Maths – introduction of ipads to enhance learner experiences 			
Improvement Targets	Required Actions	Timeframe for Actions	Persons Responsible	Success Criteria / Measurable Outcomes
<ul style="list-style-type: none"> • Continued structured reinforcement of a common approach to problem solving in order to see further improvement in pupil performance in problem solving 	<ul style="list-style-type: none"> • Continued use of strategies to support pupils problem solving at whole school level: through teacher modelling of RUDE and CUBES strategy and teacher scaffolding, pupils will be enabled to discuss problems and understand the reason behind the process • All the strategies listed in last year’s plan to be continued • The use of suitable lpad apps 	September 2015 – June 2016	All staff led by the Numeracy team	<p>Teacher observation followed by whole staff discussion</p> <p>Performance in Drumcondra test to be maintained and improved further</p>

	<p>specifically to enhance the teaching of problem solving in all classes.</p> <ul style="list-style-type: none"> List of suitable apps to be included on our website for parents 		Numeracy team members	
<ul style="list-style-type: none"> To continue to improve performance in the Measures strand of the curriculum over the next 2 years 	<ul style="list-style-type: none"> Teachers to continue to timetable the teaching of measures throughout the year, ensuring all strand units are covered before the Drumcondra tests in May. Teachers to concentrate on consolidating problem solving skills through the Measures strand as often as possible The Junior and Senior Infant classes will cover many of the Measures strand units through the Aistear programme Homework to reflect the strand unit being taught and be as practical as possible At least one of the Maths Fun Days to be measured based and involve Maths trails etc. 		<p>All staff</p> <p>Junior and Senior Infant teachers</p> <p>All staff</p>	
<ul style="list-style-type: none"> To continue and extend the provision of opportunities for pupils to work 	<ul style="list-style-type: none"> Specific class programmes: Junior Infs – Ready, Set ,Go, Maths (2nd) 	6-8 week programmes	Class teacher +LS teachers	The improved Drumcondra test results from June 2015 will be

<p>collaboratively and be more actively engaged in their learning (where manpower is available)</p>	<p>term) Senior Infs – Ready, Set, Go , Maths (2nd term) First/ Second Class – Mata sa Rang (Sept/ Oct) Third Class – Mata sa Rang (Nov/ Dec)</p> <p>6th class – Team Teaching in ability groups</p>	<p>All year</p>	<p>Class teacher + LS teachers</p> <p>Class tchs + LS tchs + Principal</p> <p>Class teacher + LS teacher</p>	<p>maintained.</p>
<ul style="list-style-type: none"> To introduce more focused use of ICT to motivate and enable more children develop a positive attitude towards Maths 	<ul style="list-style-type: none"> To introduce Ipads to enhance maths teaching and learning and build up a bank of suitable apps for all class levels Teachers to engage in CPD on the use of Ipads (PDST training) To continue using the interactive whiteboard and laptops to aid the teaching of the maths curriculum To continue to participate in Maths Week activities and hold a Fun Maths Day once a term To continue using Mathletics in 5th class 	<p>All year</p> <p>Once a term</p> <p>All year</p>	<p>Class teachers</p>	<p>Pupil feedback when surveyed at end of the year</p>
<p>Monitor and Review</p>	<p>Target 1:</p> <p>Target 2:</p>			

	Target 3:
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