

School Improvement Plan 2013/14

Our school has strengths in the following areas with regard to Numeracy:

- Mental maths is encouraged across the strands
- Children are given opportunities to explain their answers to problems and teachers model appropriate language
- There is an agreed approach to numeral formation and the presentation of written work in maths
- A broad range of assessment tools are being used to monitor pupil progress
- Assessment is used to identify aspects of numeracy that need re-teaching
- 83% of parents reported that their children like maths
- 71% of parents reported that they know their children's strengths in maths
- 60% of parents reported that they know their children's difficulties in maths
- 55% of parents reported that their children rarely have difficulty with maths homework
- 73% of children said that they like maths
- 71% of children said that they feel they are good at maths
- 62% of children reported that they find maths easy

The following Areas are prioritized for improvement with regard to Numeracy:

- Put in place measures to ensure all teachers are familiar with the maths curriculum for their class level
- A specific strategy should be used at whole school level to support the children in problem solving
- Encourage many approaches to solving one problem and further develop a classroom culture of talk and discussion
- Problem solving lessons should include a greater variety of problems e.g. projects & investigations etc.
- Make more problem solving ideas, activities and resources available in the school
- The teaching of Measures: Weight, Capacity, Time & Money
- 40% of parents reported that their children sometimes have difficulty with maths homework
- 22% of children reported that they do not like maths
- 19% of children reported that they don't find maths easy

Improvement Target 1	Put measures in place to familiarise teachers with maths curriculum		
Required Actions	Timescale	Responsibility	Success Criteria
Targets for the set-up of Dropbox - Set up a Dropbox account	Sept 2013 Review June 2014	Principal &	<ul style="list-style-type: none"> • Dropbox is installed on all school laptops

<ul style="list-style-type: none"> - Set up a Dropbox folder on all school laptops - Update Maths School Plan and resource materials and upload all relevant information to Dropbox. 		Maths Co-ordinator	<ul style="list-style-type: none"> • Teachers report that information in relation to the maths curriculum, the maths school plan & maths resources are easy to access
Improvement Target 2	Improve pupil's problem solving skills		
Required Actions	Timescale	Responsibility	Success Criteria
<p>Teachers to complete <u>Classroom Culture Self-Reflection Log</u> in relation the teaching of Maths within the school. Aim to improve pupil's mathematical thinking through improvements in classroom culture.</p>	<p>Sept 2013 Review Jan 2014 Review June 2014</p>	All teachers	<ul style="list-style-type: none"> • An improvement in strengths v. weaknesses when <u>Classroom Culture Self-Reflection Log</u> is reviewed in June 2014
<p>Teachers to develop an awareness of the importance of the following strategies for developing mathematical thinking:</p> <ul style="list-style-type: none"> - Elicit discussion - Support the child as describer and listener - Extend learning through reflection (see target re. learning logs below) 	June 2013 – June 2014	<p>Maths Co-ordinator to discuss with staff</p> <p>Teachers to implement in class</p>	<ul style="list-style-type: none"> • Teachers are familiar with these three strategies for the development of mathematical thinking and use them regularly • Teachers to complete end of year reflection sheet
Improvement Target 2	Improve pupil's problem solving skills		
Required Actions	Timescale	Responsibility	Success Criteria
Children to complete maths learning log once a month	Throughout 2013-2014	All teachers	<ul style="list-style-type: none"> • Records of children's learning logs

Implement <u>R.U.D.E.</u> as a whole-school approach to solving maths problems	Begin in Sept 2013	Maths Co-ordinator to introduce idea Teachers to implement in class	<ul style="list-style-type: none"> Evidence of R.U.D.E used in classrooms Children understand meaning of R.U.D.E & are competent with its use R.U.D.E posters displayed in classrooms
Post information on the teaching of problem solving on notice board in Staffroom	Begin Sept 2013	Maths Co-ordinator	<ul style="list-style-type: none"> Notice board in staff-room displays resources & ideas relating to the teaching of problem solving
Focus on various elements of problem solving during Maths Week 2013	Begin Oct 2013	Maths Co-ordinator to provide resources Teachers to implement ideas during Maths Week 2013	<ul style="list-style-type: none"> Daily Maths Challenge completed by all classes during Maths Week Classes to partake in a Maths Trail Puzzles, games, open-ended investigations or practical tasks to be used in class
Source additional problem solving books & websites to encourage a focus on the many & varied elements of problem solving in maths	Begin Oct 2013	Maths Co-ordinator to source new resources & purchase will be agreed with Principal	<ul style="list-style-type: none"> A wider range of problem solving books to be available in staffroom Notice about availability of new books to be posted on staff notice board
Pupils to be taught to use Bar Models as a problem solving strategy	Jan 2014	Teachers to be shown sample videos by Principal & Maths Co-ordinator	<ul style="list-style-type: none"> Pupils understand the term Bar Model Evidence of children having used Bar Models to solve maths problems
Improvement Target 3	Improve pupil's standardised test scores in the area of Measure		
Required Actions	Timescale	Responsibility	Success Criteria
	March 2014	All teachers	

Teachers to teach weight and capacity earlier in the school year so that more time is devoted to these strands			<ul style="list-style-type: none"> Teachers have covered Weight & Capacity strands by April 2014
Teachers to use a more hands-on approach to the teaching of weight & capacity	March 2014	All teachers	<ul style="list-style-type: none"> Teachers confirm use of hands-on approach in end of year reflection sheet
Improved resources to be made available in Maths Resources for the teaching of capacity	March 2014	All teachers	<ul style="list-style-type: none"> Teachers comment on adequacy of resources in end of year reflection sheet

The following Legislative and regulatory requirements need to be reviewed:

- See checklist attached for details of review carried out.

Legislative & Regulatory Requirements to be Reviewed				
Policy for Review	Reason for Review	Timescale	Responsibility	Success Criteria
Enrolment Policy	D.E.S requirement	June 2014	Principal	<ul style="list-style-type: none"> New policy in place
Healthy Eating Policy	Needs to be looked at in light of nut allergies and asthmatic children	June 2014	Principal	<ul style="list-style-type: none"> New policy in place