

School Improvement Plan; Numeracy

<p>Summary of main strengths as identified in last SSE January 2014</p>	<ul style="list-style-type: none"> In all classes active learning, guided activity and cooperative and collaborative learning of maths is taking place Pupils display a positive attitude towards numeracy Parents also display a positive attitude towards the teaching and learning of numeracy The school has invested well in maths resources and ICT resources to facilitate the learning experiences of the children. Some teachers have engaged in CPD in Maths Recovery and RSGMaths. The needs and abilities of pupils are catered for by effective teaching and collaboration between class teachers and Learning Support in 1st and 2nd classes. 		
<p>Summary of main areas requiring improvement as identified in last SSE:</p>	<ul style="list-style-type: none"> The amount of children scoring Sten 4 or less on Sigma T needs to decrease. The children need to be taught advanced counting strategies so that they become less reliant on manipulatives. The school needs to agree on a whole school plan for the teaching of mental maths to facilitate the progression of pupils learning as they move from class level to class level Mental maths lessons need to be well structured and attention needs to be given to consolidate pupils learning at the beginning, during and at the end of lessons. Assessment outcomes, especially in Maths Recovery need to be systematically analysed and used to inform subsequent learning experiences for children. 		
<p>Improvement targets</p>	<p>Required actions (related to teaching and learning that will help to achieve the targets)</p>	<p>Persons Responsible</p>	<p>Timeframe For actions</p>
<p>We aim to have 5% increase in the Sigma T scores on number items involving recalling facts and understanding concepts of number thus having 55-60% of children with an average STen score of 5 or more in three years.</p> <p>That the children become confident and swift at responding to mental maths problems at each class level relying less on manipulatives to work with number and develop advanced</p>	<p>Mental maths lessons based on the teaching methodology and application of knowledge and skills in RSGM and Maths Recovery, differentiated for the various class levels, will be adopted by all class teachers and supported by learning support teachers.</p> <p>A whole school mental maths plan specifically in number will be developed to facilitate progression from class to class using RSGM, Maths Recovery and other mental maths schemes such as Action Maths and/or Planet Maths.</p> <p>All maths lessons will have a 'round-up' section, where children can, in pairs/ groups or at class level explain what they have learnt, thus aiding them to conceptualise and to link learning to other aspects of their experience</p> <p>The children in 1st class will be assessed using Maths Recovery assessment, followed by three to four weeks intensive team teaching and concluding with reassessment to judge whether they have increased in competence and confidence in different contexts.</p> <p>Within three years, at least six teachers will have assessed and analysed Maths Recovery data and</p>	<p>All class and LS Teachers</p> <p>Principal and teachers</p> <p>All class and LS Teachers</p> <p>Class teachers (1st class), LS teachers. Class and LS</p>	<p>Immediate until June 2016</p> <p>Sept 2014- June 2015</p> <p>Immediate until June 2016</p> <p>Term 3 (2013-2014)</p>

counting strategies.	<p>engaged in team teaching/Numeracy Lift Off to target the needs of the children in the class.</p> <p>All staff will be receive CDP through PDST based on the methodologies taught at the Maths Link seminars held in 2013.</p> <p>Quizpa, IXL and Mathletics ICT programmes will be trialled and teachers will be surveyed as to the most effective programme</p> <p>Parent maths lessons will be organised by the HSCL so that parents become familiar with the methods used in school.</p> <p>Number games will be organised by HSCL and sent home so that parents can duplicate the work done in school.</p> <p>Resources such as maths games can be shared. A maths for fun chest was started and if anyone has games they feel are particularly useful and specific to the mental maths</p>	<p>teachers</p> <p>All teachers and Principal</p> <p>All teachers</p> <p>HSCL</p> <p>HSCL</p> <p>All teachers</p>	<p>April 2014- June 2016</p> <p>Term 1 2014 2015</p> <p>Term 3 2013 2014</p> <p>Term 3 2013 2014</p> <p>Term 3 2013 2014</p> <p>Term 1 2014 2015</p>
Success criteria / measurable outcomes	<p>Development of whole school programme to facilitate the progression of pupils learning in oral maths, based on testing existing programmes and building on best practice.</p> <p>Improved competence confidence and swift answers in Maths Recovery assessments after team teaching.</p> <p>55-60% of children scoring a STen of 5 or more in three years</p> <p>An improvement in scores on Sigma T items directly related to recalling facts and understanding number concepts.</p>		
Review dates	<p>SSE will be discussed at all staff meetings from March to June 2014</p> <p>From September 2014 the SIP will be reviewed once a term</p>		