Naracoorte Primary School Site Improvement Plan 2015

NUMERACY

NUMERACY – 2015

<table>
<tr><th></th><th>Key Strategic Direction : LEADING LEARNING in MATHS & NUMERACY
WHAT are we trying to achieve?</th><th>Key Strategic Direction : INTERVENTION & SUPPORT in MATHS & NUMERACY
HOW are we going to achieve it?</th></tr>
<tr><td>EXPECTATIONS</td><td>
Adopt and support an agreed definition of numeracy
Develop a whole school agreement around Numeracy
To improve the quality of the Maths program taught in classrooms.
To ensure that the required minutes of Maths are taught in all classrooms.
To continue to provide staff with individualised opportunities to attend Professional Learning to enhance their teaching of mathematical and numerical skills.
To program, teach and assess Math using the Australian Curriculum
To further improve NAPLAN results in Multi Step Problem Solving using Natural Maths strategies
To improve the availability and accessibility of a wide variety of Maths resources
To use and improve on the tracking of student progress using standardised assessments to inform planning for student learning including PAT M testing in 2015.
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Clarify numeracy understandings and needs of all learning areas so that numeracy across the curriculum is better understood
Teachers will participate in professional learning in Maths utilising the Australian Curriculum to develop learning programs and assessment tasks.
Teachers will work with the Australian Curriculum Facilitator and in team groups to engage in professional discussions about moderation
Professional Learning Communities will identify specific professional development needs to continue to develop their practice and locate opportunities for professional development.
The language of maths/numeracy will be explicitly taught.
All teachers will use a variety of visual resources with mathematical terminology in all topics.
Teachers from Year 3 – 7 will use PAT Maths in 2015 as a major data source.
Continue to develop knowledge and resources through community networking with other schools, joining PMA (Primary Maths Association), utilising <u>CSIRO resources</u>
Offer 1 Numeracy parent workshop each semester
Send term planners home to parents
Whole school usage of MarkIT for data collection
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<tr><td>2015 TARGETS & MEASURES</td><td colspan="2">
100% of teachers will engage in professional discussions and moderation of work samples
Students will benefit from strong, high quality mathematics programs as evidenced by:
involvement in quality learning programs reflecting teachers involvement in professional learning programs: -JP Research, Team networking, Team planning, Setting personal and group goals for development and sourcing professional development
improvements in NAPLAN results with 90% of students achieving above the national minimum performance standards
Evaluation of student growth in performance with mean numeracy scores increase of 80 points over the 2 years between NAPLAN testing for Years 3 -5 and an increase of 50 points for the 2 years Year 5 -7.
40 % of students in Year 3- 5 will improve by greater than 80 points in the NAPLAN Numeracy assessment
40 % of students in Year 5-7 will improve by greater than 50 points in the NAPLAN Numeracy assessment
Increase the capacity of students to answer multi-step number problems by 10%
increased engagement and enjoyment in mathematics as reported by parents and students through surveys
70% of students in Years 3 -7 will achieve scores in the PAT-M equal to or greater than :
<table>
<tr><td>Year 3</td><td>Year 4</td><td>Year 5</td><td>Year 6</td><td>Year 7</td></tr>
<tr><td>40</td><td>45</td><td>50</td><td>54</td><td>55</td></tr>
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5% of Year 2-7 students will participate in ICAS Maths Competition
Appropriate equipment and resources are being used during the teaching and learning of the Maths program.
The literacies of maths and math literacy will be explicitly taught in classrooms.
Teacher programs will show that R-7 students are participating in a minimum of 300 minutes of Maths per week.
Selected assessment tests will inform teaching practice, identify whole class and individual needs and will demonstrate improvement in student achievement. – NAPLAN, PATM, Booker, Westwood
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