



Maths 2016 - 2019

Mount Sion Primary School

DEIS Action Plan Numeracy Action Plan

2016 - 2019

NUMERACY**Target(s)**

- To ensure an emphasis is placed on Oral Maths
- To ensure that all classes are equipped for teaching Maths through a 'Hands-On' approach
- To introduce a dedicated programme of Maths Recovery
- Through the use of Maths Trails ensure that Maths is visible throughout the School Campus
- Through revisiting our Common Maths Language Usage an emphasis is placed on the idea of using Common Maths Language
- To embed the importance of good knowledge of Maths Tables
- To ensure an emphasis is placed on the R.O.S.E strategy to help pupils with their Problem Solving Skills
- To continue and develop the support of the Transition Year Students in specified classes
- To reduce the percentage of students scoring below the 20th percentile to 15%
- To reduce the percentage of students scoring between the 20th and 40th percentile to 17%
- To increase the percentage of students scoring between the 40th and 60th percentile to 23%
- To increase the percentage of students scoring between the 60th and 80th percentile to 20%
- To maintain the percentage of students scoring between the 80th and 100th percentile at 25%

	2016/2017	2017/2018	2018/2019
Action(s)	<ol style="list-style-type: none"> 1) Inventory of Maths equipment/Questionnaire for teachers on extra Maths equipment-What extra resources are needed? 2) One of either Friday Maths games/text free Friday / Numeracy Lift Off to take place on Fridays. 3) Maths for fun to be continued with H.S.C.L. 4) Maths trail- June for all classes. 5) Invest in Maths equipment for Senior classes(2 strands) 6) Oral Maths lesson (10 mins) to be continued. 7) Continue weekly Maths Challenge (Optimum time Each Monday at 12:20) 8) Continued implementation of Mata Sa Rang by Class Teachers. (Class Teachers were trained by Ms. Whelan during" Croke Park Hours" 2015-2016) Initially Room 22, 4th with Room 3 Junior Infants. Each year J. Infants to be involved 	<ol style="list-style-type: none"> 1) Screening/ Baseline tests : Maths Recovery Teachers to undertake Baseline Tests of Junior Infant pupils, using Maths Recovery screening tests (Similar to M.I.S.T. Recovery) 2) Maths recovery to be implemented (As in 2016/2017 -10) 3) Oral Maths lessons (10 mins) to be continued 4) Re check inventory of resources in June/September 5) Invest in Maths equipment for middle classes. (2 strands). 6) Continue weekly Maths Challenge 7) Continue with Mata sa Rang 8) Maths for fun and Maths trail. 9) Continued implementation of Mata Sa Rang by Class Teachers. (Class Teachers were trained by Ms. Whelan during" Croke Park Hours" 2015-2016) 	<ol style="list-style-type: none"> 1) Introduce tables competition for the whole school. (Format to be decided) 2) Oral Maths lessons to be continued (10 mins) 3) Re-check inventory of resources in June/ September. 4) Invest in Maths equipment for Junior classes. (2strands). 5) Continue weekly Maths Challenge. 6) Continue with Mata sa Rang, Maths for fun and Maths trail. 7) Continue with embedding of R.O.S.E. problem solving strategy 8) Continue whole school participation in Maths Week Activities

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| | <ul style="list-style-type: none">9) One further teacher to avail of Maths Recovery Training10) Maths Language is implemented throughout the school as 'Common Usage'11) Implementation of Maths Recovery: Numeracy Support Teacher will assess each pupil that qualifies for Numeracy Support, deliver a 12 week intervention, then re-assess each pupil.12) Continued emphasis on ROSE strategy for Problem Solving, with particular emphasis given to teaching Organise part of strategy. Specific teaching of ROSE from 2nd Class on. Pupils to be encouraged to show how they 'Organise' given problems in their copies.13) Continued Whole School Participation in Maths Week activities | <ul style="list-style-type: none">10) Continued emphasis on R.O.S.E strategy with pupils showing how they organise and solve problems in their copies.11) Continued Whole School participation in Maths Week Activities. | |
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Monitoring

- Maths Support Teacher Mr. O'Brien to oversee Inventory of equipment
- M. Walsh and E. O'Brien to organise questionnaire for teachers
- Following audit of equipment M. Walsh to purchase identified required equipment
- Class teachers to draw up trails for classes, with assistance from Numeracy Support Teacher if necessary
- Oral Maths lessons to be monitored through Cúntas Míósúil reporting. Cúntas Míósúil template to be amended to facilitate this.
- Common usage of Maths Language to be reviewed by each teacher at the end of each month
- Identify and track pupils from Junior Infants, 1st, 3rd classes. Involves testing/compiling of Rubric by Numeracy Support Teacher

Evaluation

- Identification by teachers of the amount of time given to Oral Maths
- Identify/Quantify operation of Maths Recovery sessions
- Reporting of efficacy of Maths Trails
- Oral Maths Test to be given at the end of each year to 'Tracker' Pupils
- Maths Tables to be specifically tested at end of year. Appropriate test to be identified and purchased if necessary
- Over the three years M. Walsh and E. O'Brien to evaluate the Common usage of Maths Language
- Sigma-T testing of every class from 1st to 6th each May, 1st Class to be tested in September – M. Walsh to compile comparative report

SIGMA-T Results over 3 year period (2012-2015)

Percentile	2012-2013	2013-2014	2014-2015	Average
<20	20.07%	20.07%	16.74%	18.96%
>20<40	15.98%	22.3%	18.55%	18.94%
>40<60	20%	19.7%	22.1%	20.6%
>60<80	22.1%	22.3%	17.6%	20.66%
>80<100	22.67%	15.6%	24.88%	21.05%

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Br. Phil Ryan, Chairperson

Date: _____