St. Michael’s Primary School and Centre for Autism,

Patrick Street,

Trim,

Co. Meath.



**SCHOOL IMPROVEMENT PLAN FOR NUMERACY**

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| **School Improvement Plan For Numeracy** |
| **Strengths**  | **Areas for Improvement** |
| * Well stocked maths library.
* Mental Maths in every class daily for 10 minutes.
* 85% of parents reported that their children liked maths.
* Use of concrete materials and interactive whiteboards during maths class.
* Overall attainment in Drumcondra Standardised Maths Tests are well above average with 65% of pupils scoring above the 50th percentile rank.
* All pupils have individual mini whiteboards which encourages participation in maths class and enhances the reasoning process.
* Print rich maths language environment.
* Pupils are actively involved in assessing their own work through completion of SALF folders.
* Weekly assemblies and “Good Work Wall” affirm pupils’ efforts.
 | * Problem solving.
* Need for uniform approach to support pupils’ problem solving strategies.
* A common approach to the teaching of tables is required.
* Increase opportunities for pupils to engage with Maths.
* More ICT opportunities to form integral part of Maths lessons.
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| **Targets*** Increase the percentage of pupils who reported that they would be able to explain clearly to others how a maths problem was solved from 47.5% - 52% over three years.
* Increase the percentage of pupils achieving over the 51st percentile in Drumcondra Standardised Maths Test from 65% - 67% over three years.
* Increase the percentage of pupils who report that they like solving maths problems from 67.5% - 70% over three years.
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| **Actions*** Introduce a uniform approach (RAVECCC) to support pupils’ problem solving strategies.

**R-**read**, A-**attend to key words**, V-**visualise**, E-** estimate**, C-**choose numbers**,** **C-**calculate**, C-** check**.*** Decide on common approach when teaching tables.( 3x4 = three fours)
* All classes will engage in “A problem a day”.
* Increase opportunities for pupils to engage with maths:-
* Maths4Fun hours.
* Increased use of maths games/puzzles.
* Creation of maths trails within and outside of the school building.
* Purchase of class set of iPads. All pupils will have access to their own iPad for two forty minute sessions per week.
* Encourage more widespread use of interactive whiteboards during maths lessons.
* Principal and Deputy Principal to attend CPD numeracy courses.
* Creation of Estimation Stations in all classrooms.
* Pupils continuing to engage in mental maths activities for 10 minutes daily.
* Continue to develop maths print rich environment throughout the school.
* Tests will be administered to pupils on completion of each new topic in maths. Parents/guardians are asked to sign these tests results and make an appointment to speak to the class teacher should they have any concerns.
* Participation in Maths Week for all pupils with a particular focus on problem solving.
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| **Monitoring/Evaluation*** **When?**

 Review Dates:- June 2015. June 2016. June 2017.* **Who ?**

All staff.* **How?**

Teachers’ observations/designed tasks, pupil work samples, standardised tests scores, self assessment folders and feedback from parents/pupils. |
| **Success Criteria**Success will be based on the achievement of our targets. |