## Flinders Park Primary School Action Plan – Numeracy 2014

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<th>Outcome</th>
<th>Strategies</th>
<th>When</th>
<th>Who</th>
<th>Targets</th>
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</table>
| To improve the engagement and achievement of all Reception – 7 students in numeracy. | 1. Implement and review Intervention Program for identified students in year 4. Students identified through NAPLAN, PAT Maths data and teacher recommendations.  
   - SSOs are trained and supported in conducting Intervention Program | Term 1 – Implement  
Term 3 - Review | Peter, SSO (Karen) | 1. NAPLAN and PAT testing data demonstrate positive growth as measured by expected growth points and effect size. PAT Maths expected growth points (Year 2 – 25pts, Year 3 – 14pts, Year 4 - 6pts, Year 5 – 7 pts, Year 6 – 2 pts, Year 7 - 1 pt). NAPLAN – growth of 0.8 effect size (2 year growth size) |
| | 2. Develop and implement Whole School Approach to identifying and catering for the numeracy needs of gifted students through:  
   - Differentiated programs  
   - Establishing Maths Mentors  
   - Participation in math’s challenges E.g. Australian Mathematics Competition | Term 1 - 4 | Numeracy Committee | 2. To increase year 3,5,7 student mean numeracy NAPLAN tests to be closer to National scores, while still above Regional and DECD state scores |
| | 3. Provide Professional Learning opportunities, with a focus on developing Natural Mathematics methodologies.  
   - 3 focus teachers attend Ann Baker workshops in geometry and measurement. Teachers to continue to lead and support change in Numeracy pedagogy.  
   - Re-establish Professional Learning Team links with neighbouring schools practising Natural Maths | Term 1 - 4  
Term 2  
Term 1 - 4 | Tricia, Naomi, Marty | 3. To increase the number of students in the top two bands to 20% in numeracy for year 3,5,7 students in NAPLAN |
| | 4. Implement Numeracy blocks focusing on developing problem solving and reasoning skills, geometry and measurement.  
   - Teachers plan 2 day lesson structure – mental Routine, Problematised Situation / Strategy lesson, Reflection | Term 1 - 4 | All teachers | |
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<td>To improve the engagement and achievement of all reception – 7 students in numeracy.</td>
<td>5. Review teacher and student <strong>resources</strong> to support quality pedagogy in Mathematics and Numeracy. Purchase resources to support implementation of geometry and measurement achievement standards.</td>
<td>Term 1, 2</td>
<td>Teachers and Numeracy Committee</td>
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<td>6. Investigate “<strong>Early years numeracy observation</strong>” as an early years diagnostic and assessment tool.</td>
<td>Term 1 &amp; 2</td>
<td>Numeracy committee</td>
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| | 7. All students in year 2 – 7 participate in **PAT- Maths** Plus online test. Students in R – 2 – **I can Do Maths**.  
  - **Data** collected once a year is analysed for expected growth points and effect size according to WAR standards | Term 4. | Class teachers | |
| | 8. Continue to **Promote** Mathematics and Numeracy across the school.  
  - **Language of Numeracy** displayed around the school  
  - **Parent Workshops** in Numeracy with a focus on Natural Maths pedagogy  
  - Establish a **Numeracy Blog page** with links from school website – include articles, videos and photos from class activities  
  - Present regular articles and Natural Maths strategies through the **school newsletter** and class blogs | Term 1 – 4 | Class teachers, Numeracy Committee | |