

Canning Vale Primary School

Whole School Approach - Numeracy

2016 - 2017



Whole School Numeracy Targets

- Increase the percentage of students in the stable cohort achieving high and very high progress in NAPLAN Numeracy.
- Years 3 and 5 students match or exceed like schools in Mathematics.
- Maintain and or improve the percentage of Year 3 and 5 students achieving in the top 20% above that of All Australian Schools in Numeracy.

Whole School Strategies and Expectations for Numeracy

- All students will set a SMART numeracy goal.
- Maths skills and concepts will be explicitly taught each day in each class – including the identified essential learning points from the [Learning Trajectories](#).
- Staff will reinforce the use of school policies regarding the presentation of written work.
- Students will be able to demonstrate and explain the methods they use to solve mathematical problems.
- Basic number facts, mental calculation ([Blake](#)) ([FSiM](#)) and problem solving strategies ([Problem Solving](#)) will be explicitly taught.
- Staff will refer to the First Steps in Mathematics strategies and Key Understandings in conjunction with the [Australian Curriculum](#) and Queensland Studies Authority materials.
- Classrooms will contain maths environmental print including;
 - Maths vocabulary ([Maths Vocabulary](#))
 - Problem solving strategies
 - Mental Calculation Strategies
- Staff will stream maths groups in selected year level and aspects.
- Staff will differentiate the curriculum to address student needs.
- Staff will develop Individual and Group Management Plans to address student needs.
- Staff will use ICT – Mathletics and calculators in all classes with Mathletics to be set as part of the homework program. It is used as a planning and assessment tool and provides resources for classroom teachers (electronic and paper)
- Staff and students will use Maths Reflections to demonstrate children's learning and understanding of concepts – this can be done orally, pictorially or in written form – individually, group or as a whole class.
- CVPS Maths Week replaced with English activities in 2015.

Data Collection and Planning

- Staff will use NAPLAN, EARS and First Cut data analysis as part of their planning process – backward mapping of data analysis and planning for improvement in years 1, 2, 4 and 6.
- Deficiencies highlighted from 2015 NAPLAN test analysis will be addressed ([NAPLAN](#))
- On Entry Testing PP
- Common Assessment Tasks in Year Levels including MTS summative testing in Term 4 (PP – 6)
- Westwood One Minute Maths Test (February and December)

Resources

- Staff will have access Maths Curriculum Leaders and Maths Lead Teachers for support, planning, resources and professional learning.
- Each year level will have a Lead Mathematics Teacher who is involved in data analysis and whole school.
- Staff will have access to professional learning from both internal and external sources. (school funded)
- Staff will have access to ESL teachers and assistance.
- Staff who attend professional learning are required to feedback to staff - linked to the Australian Curriculum.
- Common D.O.T.T. will be allocated to year level teachers for moderation and planning.
- Parent involvement in classrooms and school events will be encouraged and promoted.
- Maths Budget (D5105) for the ongoing purchase of materials and resources to support whole school strategies
- Mathletics is purchased for 1 - 6 for use in the classroom and homework.