

Kelston Primary School

Analysis of Numeracy Data – June 2010

All expectations are for the end of the year. This data reports on progress towards the end of year National Standards.

As we gain a better understanding of National Standards and how we will manage the reporting, the format of these reports will change to align with the new requirements. (ie after 1 year/40weeks, 2 years/80 weeks, 3 years 120 weeks, end of year 5, end of year 5 and end of year 6)

Year 1

All students are achieving within the National Standard of Stage 1 – 3. However 33% are at Stage 1 and 51% at Stage 2.

Year 2

26% of students are achieving at or above the National Standard of Stage 4. Of this just 4 are above (Stage 5). 46% are just below that Standard at Stage 3. 2% are still at Stage 1.

Year 3

**Just 6% are at the National Standard of Stage 5. 34% are just below at Stage 4 with 53% well below at Stage 3.
Nb. The National Standard is Stage 5 right up until the end of Year 4. At Year 3 level they should be early Stage 5.**

Year 4

27% are at the National Standard of Stage 5 with 2% above it at Stage 6. 44% are just below at Stage 4. 26% are at Stage 3 and just 2% are still at Stage 2.

Year 5

**16% are at the National Standard of Stage 6. 49% are just below at Stage 5. 25% are at Stage 4 with 10% still at Stage 3.
Nb. The National Standard is Stage 6 right up until the end of Year 6. At Year 5 level they should be early Stage 6.**

Year 6

44% are working at or above the National Standard of Stage 6. 7% of these are above at Stage 7. 28% are just below at Stage 5 with 28% well below at Stage 3 or 4.

Maori Achievement

Maori achievement is below the rest of the group across all year levels except Year 3.

For Year 1 100% are at the National Standard but all are only at Stage 2.

For Year 2 only 12% are at the National Standard. 47% are just below with the remaining 41% well below.

For Year 3 Maori students are achieving above the rest of the group.

However there are still only 11% of students achieving at the National Standard. 11% are just below while the remaining 78% are well below.

For Year 4 100% of Maori students are below the National Standard. 57% are just below while the remaining 43% are well below.

For Year 5 100% of Maori students are below. However 86% of these are just below with only 14% well below.

For Year 6 25% of Maori students are above the National Standard. 42% are just below with 33% well below.

Pasifika Achievement

In Years 1, 2, 3, 5, and 6 the Pasifika students are achieving on par with the rest of the group.

In Year 4 Pasifika students are achieving slightly lower than the rest of their year group with only 19% at the National Standard. 55% of the group are just below the standard.

Boys Education

Boys are achieving just above the rest of the students at all year levels.

Boys are outperforming girls at all year levels. Year 3 and 5 boys are underperforming compared to the rest of the group. Reasons for this have been identified earlier around the National Standard covering 2 years.

Identified Issues

Year 3 and 5 achievement is well below the rest of the school.

This is due to the fact that the Stage they are meant to be at lasts over 2 years. The difference is that Year 3 and 5 should be working at an early part of their respective stage.

There has been a focus particularly in the senior school on consolidating children's knowledge of Basic Facts and Place Value.

Many children are developing the basic strategies used to solve basic problems. These strategies must now be transferred to being able to solve more complex problems including word problems. Often the language used in particular questions confuses the students as they are unable to comprehend what is being asked of them.

Student Goals For The Next 6 Months

Overall Goal

To improve children's knowledge of Basic Facts and Place Value.

To be able to understand all aspects of a number: Reading, writing, saying, what it is made up of, what is before, what is after etc.

Year 1 – 2

- **Read the numerals 1 – 20**
- **Say the number before and after up to 20.**
- **Know patterns for numbers 1 – 10**
- **Know + and – groupings to 5.**
- **Join groups of objects together to find the total up to 10.**
- **Split groups of objects and find how many are left over.**
- **Solve addition and subtraction problems up to 10 by counting all objects in head.**

Year 3 – 4

- **Read and count whole numbers up to 1000 in ones, tens and hundreds.**
- **Recall how many tens in a 3 digit number.**
- **Know all addition facts to 20**
- **Know all 2x, 5x and 10x multiplication facts and the matching division problems**
- **Solve addition and subtraction problems using doubles, making tens, joining and separating tens and ones.**
- **Solve multiplication and division problems using repeated addition and turning multiplications around.**
- **Find a unit of a fraction using halving and a shape using symmetry.**

Year 5 – 6

- **Read and order numbers up to 1 000 000**
- **Know how many 10's and 100's in a number up to 10 000**
- **Read and order fractions with the same numerator and denominator**
- **Recall all basic addition and subtraction facts up to 20**
- **All the basic multiplication facts up to 100**
- **Solve addition and subtraction problems using standard place value, compensating from tidy numbers and reversing the operation.**
- **Solve multiplication and division problems by splitting one factor into parts, doubling and halving and reversing the operation for division**
- **Find a unit of a fraction using multiplication.**