



TE KURA O PAKIPAKI

ANALYSIS OF VARIANCE 2015 **MATHS DATA COMPARED 2012-2014**

Annual Aim

To increase the number of students achieving at or above the National Standard for Maths.
The shift in the students achieving and the shift in the students who are well below are highlighted in 2014 Data.

Baseline Data: Analysis of school wide Maths data in November 2012 identified:

- 0% of students are achieving above the National Standard.
- 67% of students are achieving at the National Standard.
- 27% of students are below the National Standard.
- 6% of students are well below the National Standard.

Baseline Data: Analysis of school wide Maths data in November 2013 identified:

- 14.8% of students are achieving above the National Standard.
- 74.1% of students are achieving at the National Standard.
- 9.3% of students are below the National Standard.
- 1.9% of students are well below the National Standard.

Baseline Data: Analysis of school wide Maths data in November 2014 identified:

- 18.9% of students are achieving above the National Standard.
- 69.8% of students are achieving at the National Standard.
- 11.3% of students are below the National Standard.
- 0% of students are well below the National Standard.

Further analysis of the November 2012 data has shown that

- 27% of our Maori students are below the National Standard.
- 6% of our Maori students are well below the National Standard.
- 20% of our female students are below the National Standard.
- 33% of our male students are below the National Standard.
- 2% of our female students are well below the National Standard.
- 10% of our male students are well below the National Standard.

All students at Paki Paki School are Maori students.



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Further analysis of the data November 2013 has shown that:

- 9.3% of our Maori students are below the National Standard.
- 1.9% of our Maori students are well below the National Standard.
- 10.7% of our female students are below the National Standard.
- 7.7% of our male students are below the National Standard.
- 1% of our female students are well below the National Standard.
- 0% of our male students are well below the National Standard.

All students at Paki Paki School are Maori students.

Further analysis of the data November 2014 has shown that:

- 11.3% of our Maori students are below the National Standard.
- 0% of our Maori students are well below the National Standard.
- 6.3% of our female students are below the National Standard.
- 19% of our male students are below the National Standard.
- 0% of our female students are well below the National Standard.
- 0% of our male students are well below the National Standard.

All students at Paki Paki School are Maori students.

Comparisons of Data from November 2012 - 2014

We know that:

- There has been a steady increase with the students who are achieving above the National Standards. The students working above have increased slightly since 2012 however decreased slightly from 2013. (2012 Above 0%, At 67%, 2013 Above 14.8%, At 74.1% 2014 Above 18.6%, At 69.8%)
- There has been a significant decrease in the tamariki who are working below or well below since 2012 as well as those tamariki working well be. (2012 Below 27%, Well Below 6%, 2013 Below 9.3%, Well Below 1.9% 2014 Below 11.3% and Well Below 0%)
- There has also been a significant decrease for the female and male who are working below or well below. (2012 Female Below 20%, Well Below 2%, Male Below 33%, Well below 10% and 2013 Female Below 10.7%, Well Below 1%, Male Below 7.7%, Well Below 0%, 2014 Female Below 6.3%, Well Below 0%, Male Below 19.0% and Well Below 0%)
- Review data and identify target tamariki – tamariki who are below
- Identify the gaps of the target tamariki: knowledge, strategy, basic facts



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- Continue to focus on basic facts throughout the kura, implementing tasks within Statistics, Geometry and Measurement
- Self-Review the Characteristics of an effective numeracy classroom for 2015
- Review Inquiry in preparation for 2015 goals and professional development needed for staff
- Maths lessons are structured with knowledge, teacher and independent activities.
- Second year contract with Mathletics program: to assist in targeting, monitoring specific needs and regular reporting
- Continuation of on-going opportunities for accelerate learning for those students who are at / above
- Teachers and lead teacher will observe each other and provide feedback / feed forward
- Assessment and Maths schedule will be followed
- Students will articulate learning and provide evidence daily

Referring to the Annual Aim:

To increase the number of students achieving at or above the National Standard for Maths.

Aim for 80% of our tamariki achieving at or above the National Standard for Maths. Provide PD for the staff to implement the Individualized Maths schedule to monitor each child's progress.



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