

# Newlands School: Domain Learning: Goal 2 for Raising Student Achievement 2017

**Strategic Goal:** All learners are supported to meet and exceed the national standards in reading, writing and mathematics for their level

## Annual Goal:

To increase the number of Maori and Pasifika students who are achieving at or above the national standards in mathematics.

## Annual Target:

To have Maori and Pasifika students achieving at or above the national standards for mathematics at the same rates as all students at Newlands School.

## Baseline Data:

Cohort	Below in Reading	Below in Writing	Below in Maths	Number of students
All students	15.1% (51)	21.6% (73)	22.5% (76)	338
Male	19% (32)	27.9% (47)	21.3% (36)	169
Female	11.2% (19)	15.4% (26)	23.7% (40)	169
Maori	22.4% (11)	30.6% (15)	30.6% (15)	49
Pasifika	36.6% (15)	48.8% (20)	46.3% (19)	41
Asian	12.5% (9)	16.7% (12)	13.9% (10)	72
European	7.9% (13)	14% (23)	17.1% (28)	164

To enhance the teaching and learning of mathematics at Newlands School, in 2017 the school will be using Prime Maths as the guided teaching component for the maths programme. We believe this explicit and ordered teaching approach to mathematics will serve our underachieving students well over time. In Prime Maths there is a heavy emphasis on using equipment, lots of discussion and modelling, a simplified strategy structure, and consistent vocabulary throughout all stages.

## Key Improvement Strategies:

When:	What:	Who:	Indicators of Progress:
All year and ongoing	All staff to work with the principles of Ka Hikitia Accelerating Success and the Pasifika Education Plan initiatives.	BOT Principal All staff Outside facilitators	The charter reflects the importance of raising the achievement of Pasifika and Maori students in line with government aims. The BOT Hautu review findings are planned and implemented. Effective strategies are trialled and implemented. Professional development in working with Pasifika and Maori students and understanding their needs and learning styles, and exploring effective assessment tools for all students.
All year and ongoing	Maori, Pasifika and all students achieving below the national standard in mathematics are clearly identified using 2016 data, and their learning needs discussed with all teachers to help identify successful strategies and programmes to raise achievement	Principal Management team Teaching staff	Teachers can articulate a clear understanding of each underachieving student's current learning stage in mathematics throughout the year.
All year and ongoing	Prime Maths will be used as the guided teaching component for the maths programme across the school.	Principal Management team Maths Leadership Team Teaching staff BOT Other schools	All students are started in PRIME at a level indicated by their Placement Test. Assessment of progress is regular and varied. The existing maths programme activities and strategies are also used for group and independent maths work. Regular reviews of PRIME implementation will be conducted in staff and syndicate meetings. All staff supported to implement the PRIME programme with regular PD sessions in syndicates and staff meetings. The BOT budget funds to buy the required resources. Contact will be maintained with schools who have already implemented PRIME and who have already provided valuable advice for our implementation.
All year and ongoing	All weekly and daily planning reflect the learning outcomes for underachieving Pasifika and Maori students in mathematics. Mathematics is taught daily.	Principal Teaching staff Management team	Identified underachieving student's learning needs in each class are reflected in weekly and daily planning documents. Mathematics is timetabled daily.

All year and ongoing	Each teacher undertakes a maths inquiry around raising student achievement in their class with a focus on priority learners. Maths inquiries are regularly reviewed. This will be focused around the implementation of PRIME maths.	Principal Teaching staff Maths Leadership Team	Progress reviews through the implementation of PRIME maths. Accelerated progress of targeted students.
All year and ongoing	All classes will undertake a student-led mathematics inquiry each term	Teaching staff Maths Leadership Team	Teachers and students plan and complete a maths inquiry each term. There is a sharing time between classes. Reviews of the inquiry help shape the next inquiry.
All year and ongoing	Work with the school's Pasifika community to discuss their dreams for Pasifika children in our school. Through their child's participation in the Pacific Pearls programme strengthen family engagement with the school.	BOT Principal Management team Teaching staff Pasifika whanau	Discussions with Pasifika families in appropriate settings to listen to families wants and discuss ways the school can support students in their learning. Use the Pacific Pearls group to help strengthen oral language skills, reading comprehension and maths language.
All year and ongoing	Work with the school's Maori community to discuss their dreams for Maori children in our school. Through their child's participation in the Te Rito programme and Ka Awatea and the Newlands kapahaka Festivals, strengthen family engagement with the school.	BOT Principal Management Team Teaching staff Maori whanau	Discussions with Maori whanau in appropriate hui to koreo about whanau wants and needs for their tamariki and how the kura can best support those wishes. The BOT actively recruits diverse representation on the BOT, especially aiming for Maori and Pasifika input at the governance level in the school. Use the Te Rito group to help strengthen oral language skills, reading comprehension and maths language.
All year and ongoing	Mathematics achievement data is analysed closely to identify needs and individual goals are set to target the specific learning needs of individuals.	BOT Management team Maths Leadership Team Teaching staff	JAM, GLOSS and IKAN data is continued to be used to help identify needs and gaps in maths learning. Termly reports of progress towards the strategic goal to BOT Syndicate meeting discussions and notes
All year and ongoing	Use resources, materials and strategies that engage individual learners and fires their imagination. Use hands-on activities with materials and digital technologies regularly and appropriately.	Principal Maths Leadership Team Teaching staff BOT	Purchase relevant resources to support PRIME programme. Investigate best ICT practices for mathematics, especially for Maori and Pasifika students. Use appropriate on-line resources at home and school to enhance maths learning and practice.
All year and ongoing	Teach specific and technical language explicitly and often.	Maths Leadership Team Teaching staff	Every PRIME unit of learning, at every stage, has the specific vocabulary identified, and this will be specifically taught in context.
All year and ongoing	Maori, Pasifika and all other students at risk of failing early are identified through the PIPs assessment, and intervention is undertaken to build number knowledge from 5 years old.	Principal Assistant Principal SENCO Teaching staff	Targeted small group intervention to build number knowledge and pre-numeracy skills with specialist teacher. Discussions with families how they can further support mathematics learning at home.
All year and ongoing	Implement the use of learning tools or learning dispositions and mindset to encourage engagement and aid perseverance and curiosity in learning. This is a school wide initiative. The aim is to build a kaupapa of what learning looks and feels like at Newlands School. It aims to arm all students with strategies for learning and encourage them to be part of an active partnership in their own learning and to become an outstanding Newlands Citizen.	BOT All staff World experts Other local schools' personnel	Develop implementation plans in full staff and syndicate meetings Purchase relevant resources. Work with relevant experts, Kath Murdoch in 2017. Use staff thinking crews to review work undertaken and plan next steps initiatives. Share ideas with local Principal Cluster so a coherent language and skill set develops across the community and the learning skills are built across all sectors of schooling in the Newlands area.
All year and ongoing	Use observations and coaching to help all staff become confident and competent teaching PRIME Maths.	Principal Maths Leadership Team Teaching staff	Ensure there is adequate release time for Maths leaders to observe maths practice across the school. Ensure there is adequate provision of time and resources to upskill and coach teachers as required.

Term 2 onwards	Conduct Home/School meetings to explain PRIME Maths to our school community.	Principal Maths Leadership Team All staff	Meetings conducted in class/year level groups to inform whanau about the principles and kaupapa of PRIME maths.
<p>Monitoring:</p> <ul style="list-style-type: none"> <li>• Regular monitoring and reporting of priority learners' progress and achievement through standardised maths testing, observations, and discussions.</li> <li>• Regular syndicate meetings are used to discuss the progress towards the goal and to share/review strategies and that are proving effective in achieving the goals.</li> <li>• Once a term achievement data in mathematics for Maori and Pasifika learners' is reported and discussed with all teaching staff and the Board of Trustees.</li> <li>• Regular reviews of the implementation of PRIME maths will be undertaken, understanding that in 2017 all teachers will be "in the sandpit" learning their way around the resources and teaching processes of PRIME.</li> <li>• Reporting to Board of Trustees about all professional development undertaken by Newlands School staff.</li> <li>• Review the effectiveness of the targeted Home/School partnership meetings.</li> <li>• Report attendance trends to the Board of Trustees twice a year.</li> <li>• Regular coaching sessions to strengthen mathematics teaching in the school.</li> <li>• Regular cycle of focused observation and feedback as part of Teacher Appraisal for all staff.</li> </ul>			
<p>Resourcing:</p> <ul style="list-style-type: none"> <li>• Purchase PRIME materials and resources needed to deliver the programme.</li> <li>• Use MOE resources – printed and web-based material for additional maths teaching support.</li> <li>• Use the annual Professional Development budget to send appropriate staff to seminars and to bring in expert facilitators for whole staff professional development around effective initiatives in raising achievement for Maori and Pasifika students, and all other learners at risk of not achieving.</li> <li>• Use annual Home School Partnership budget is used to provide resources for community meetings.</li> <li>• Fixed term salary unit for leadership of Learning Dispositions and Mindset initiative.</li> <li>• Fixed term salary unit for Mathematics curriculum leadership.</li> </ul>			