



Rangi Ruru
Girls' School

YEAR 10 PANGARAU MATHEMATICS 2025

TERM 1 10 weeks	Weeks
1. Number - Calculators, fractions, exponents TEST	4
2. Pythagoras	1
3. Perimeter and Area, time, speed	2
4. Trigonometry and Navigation TEST	3
TERM 2 9 weeks	
5. Statistics	2
6. Transform geo/ prob revision/Geo (CAMPS)	3
7. Percentages, ratios, rates TEST	4
TERM 3 9 weeks	
8. Linear Algebra – Graphs (rates, formula, eqns)	2
9. Volume, Surface Area TEST	2
10. Revision	3
<i>Amount of revision should be related to class needs- More algebra time for those that want.</i>	
Numeracy Assessment – CAA – Week 8 (Sept 12th)	1
11. Linear Algebra contd.	1
TERM 4 7 weeks	
12. Linear Algebra contd.	2
13. Quadratic Algebra TEST	5

Rangi Values	How will ākonga demonstrate these values?
Respect/Whakaute	<i>Ākonga will show respect for their classmates at all times, understanding the need for differentiation, and differing paces of learning. Ākonga will show respect for the subject and Kaiako by completing homework, listening and following all instructions.</i>
Aroha	<i>Ākonga will support other learners by participating in an inclusive and positive classroom culture</i>
Enthusiasm & Endeavour Rikarika & Ngana	<i>Ākonga will strive for their own personal best in learning, and will be encouraged to attempt extension activities, online practice, and attend offered tutorials.</i>
Generosity of Spirit Manaakitanga	<i>Ākonga will support each other and provide support for others when needed, helping classmates when appropriate.</i>
Integrity/Tika	<i>Ākonga will show integrity by ensuring they submit authentic evidence of their learning.</i>
Rangi Graduate Dispositions	How will ākonga develop these dispositions
Be You	<i>Ākonga are encouraged to be curious through asking questions. Ākonga are encouraged to develop their learning strategies through trying different approaches to see what works for them</i>
Belong	<i>Ākonga are encouraged to link their learning to personal experiences and local contexts (e.g. Numeracy examples)</i>
Be The Change	<i>Ākonga are encouraged to be creative with solutions and developing original solutions</i>
Be Your Best	<i>Ākonga are encouraged to strive for their own personal best in their learning – personalised learning.</i>
Culturally Empowering Pedagogy	
<i>Tikanga, Te Reo Maori and Mātauranga Maori will be woven</i>	<i>Kaiako and Ākonga are encouraged to use te reo maori where they feel appropriate/confident. The</i>

<p><i>into this learning through:</i></p>	<p><i>environment will demonstrate Manaakitanga for all Ākonga. Authentic mātauranga maori mathematical contexts will be included where appropriate</i></p>
<p><i>Opportunities for cultures of other students will be incorporated through</i></p>	<p><i>All Ākonga will see where the Mathematics being studied is relevant to them – purpose, how it relates to them and fits into their world (the Kaupapa).</i></p>
<p><i>Opportunities to think & connect as a globally minded citizen will include:</i></p>	<p><i>Learners will be encouraged to investigate Mathematics in other cultures.</i></p>