Rangi Ruru Girls' School

YEAR 12 PANGARAU - MATHEMATICS COURSE INFORMATION 2025

Year 12 Mathematics is a full year course in which you have the opportunity to gain up to 20 Level 2 credits for your NCEA, with two Achievement Standard (7 credits) internally assessed, and the remainder assessed by external examination at the end of the year (three papers, 13 credits).

Assessment

General information about school policies and procedures for assessment are contained in your school handbook. It is important that you are aware of the school policies about assessment. If you are in doubt about anything, please ask your teacher. It is your responsibility to be well informed about the requirements.

The plan below gives a general indication of the timing of assessments, but you will be given at least one week's notice of the exact day and time of a final assessment for the Internal Achievement Standard. Note dates and times carefully in your diary and discuss any problems with timing with your teacher in advance.

Topic Order and Approximate Timing

	Topic	AS	Credits	Time	Assessment
Term 1 10 weeks	2.6 Algebra Part 1	91261	4	4 weeks	External
	2.4 Trig	91259	3	3 weeks	Internal Beg wk 8 (*)
	Algebra Part 2	91261		3 weeks	External
Term 2 9 weeks	2.2 Graphs	91257	4	5 weeks	Internal Beg Week 6
	2.7 Calculus	91262	5	4 weeks	External
Term 3 9 weeks	Calculus cont	91262		2 weeks	
	Algebra Part 3	91261		2 weeks	
	Exam for 91261 and 91262			WEEK 5	
	2.12 Probability	91267		4 weeks	
Term 4	Revision	91267		3 weeks	
Final Exam	For 91261, 91262, 91267				Nov

(*) Tournament week is week 8. Tournament students may need to sit the Trig assessment at the end of week 7.

Achieved, Merit and Excellence Requirements:

It is important that you are fully informed of the requirements for gaining each grade level. Read the checklist supplied for each standard carefully. Your teacher will go over this with you.

For the internal Achievement Standards there will be a formative assessment which will be marked and returned to you with feedback. This will enable you to see exactly what the requirements are and do further work if necessary before the final task.

There will be no further assessment opportunity for the internally assessed standards.

School examinations

The school examination in Term 3 is a useful practice for the real examination in November. The grades obtained in the school examinations contribute to subject placing, and are also used for derived grades if you need them. An assessment for Probability in Term 4 will generate a derived grade for that paper.

Checking and Recording your results

Marking will be done carefully and checked, but there is always a possibility of an error. After an assessment, you will have an opportunity to check your results. *During this time you must not mark the test paper in any way, or take it out of the room*.
If you disagree with the marking you can ask your teacher to check the marking. If you are not satisfied at this stage, then there is an appeal procedure.

When a result for an internal or a school examination result has been checked you should record it on your own progress record in your handbook, so that at a later date you can check and sign the assessment record kept on the school database. Internal results or derived grades will then be sent to NZQA directly.

Derived Grades:

The external standards are assessed by examination at the end of the year. If you require a derived grade because you are unable to sit the examination, you will get whatever grade you earned for that standard in the school examination or end of topic test.

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Level 2 Mathematics Standards 2025

Achievement Standard Number	Version	Title	Mode of Assessment	Credits	Literacy or Numeracy
91257 2.2	V2	Apply graphical methods in solving problems	Internal	4	L2 Numeracy
91259 2.4	V3	Apply trigonometric relationships in solving problems	Internal	3	L2 Numeracy
91261 2.6	V2	Apply algebraic methods in solving problems	External	4	L2 Numeracy
91262 2.7	V2	Apply calculus methods in solving problems	External	5	L2 Numeracy
91267 2.12	V2	Apply probability methods in solving problems	External	4	L2 Numeracy

Rangi Values	How will ākonga demonstrate these values?
Respect/Whakaute	*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.*
Aroha	*Ākonga will support other learners by participating in an inclusive and positive classroom culture*
Enthusiasm & Endeavour Rikarika & Ngana	*Ākonga will strive for their own personal best in learning, and will be encouraged to attempt extension activities, online practice, and attend offered tutorials.*
Generosity of Spirit Manaakitanga	*Ākonga will support each other and provide support for others when needed, helping classmates when appropriate.*
Integrity/Tika	*Ākonga will show integrity by ensuring they submit authentic evidence of their learning.*
Rangi Graduate Dispositions	**How will ākonga develop these dispositions**
Be You	*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*
Belong	*Ākonga are encouraged to link their learning to personal experiences and local contexts (e.g. Numeracy examples)*
Be The Change	*Ākonga are encouraged to be creative with solutions and developing original solutions*
Be Your Best	*Ākonga are encouraged to strive for their own personal best in their learning – personalised learning.*
Culturally Empowering Pedagogy	
Tikanga, Te Reo Maori and Mātauranga Maori will be woven into this learning through:	*Kaiako and Ākonga are encouraged to use te reo maori where they feel appropriate/confident. The environment will demonstrate Manaakitanga for all Ākonga.*

	Authentic mātauranga maori mathematical contexts will be included where appropriate
Opportunities for cultures of other students will be incorporated through	*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).*
Opportunities to think & connect as a globally minded citizen will include:	*Learners will be encouraged to investigate Mathematics in other cultures.*