



Rangi Ruru  
Girls' School

**Year 11 KOIORA - BIOLOGY 2025**

## **Course Information for Students**

*Ko te pae tawhiti arumia kia tata,  
Ko te pae tata whakamaua,  
Kia puta i te wheiao ki te ao mārama.*

*Seek to bring the distant horizon nearer,  
Grasp it firmly once near,  
And so emerge from darkness into enlightenment.*

Welcome to Biology in 2025! We hope that your year will be interesting, valuable, challenging and successful.

Biology is the study of living things. By studying Biology, you will develop a better understanding of the diversity of living organisms and life processes.

In your Biology class, your Rangi Ruru values and Rangi Graduate dispositions will be demonstrated through:

**Whakaute Respect:** Acknowledge and respect different perspectives.

**Aroha:** Take opportunities to work with others in a supportive way.

**Rikarika Endeavour:** Take responsibility for your own learning and give things a go.

**Ngaana Enthusiasm:** Have a positive attitude towards learning.

**Manaakitanga - Generosity of Spirit:** Listen carefully to other's opinions and be curious.

**Tika Integrity** - Be honest about your own work and be responsible for your own behaviours.

#### What will you begin to understand in Biology this year?

Science helps us make sense of the world.	Biology, Chemistry and Physics are all interconnected and help us understand and organise the world and how we operate in it.
Science is elegant, explorative, creative and powerful.	Science uses data, evidence and relationships to find out, explore and explain.
Science helps us in our everyday lives and decisions and is key to many areas of knowledge and practice.	<i>Whiria te kaha tūātinini, whiria te kaha tūāmanomano.</i> Together we can use our strengths to achieve more. The concepts, skills and processes of Science are used in everyday practices and decisions from putting a seatbelt on, to health.

#### What will you know and do in Biology this year?

- Learn about the three major groups of micro-organisms (bacteria, fungi and viruses) and how they can be both beneficial and harmful to humans.
- Use different science investigative methods to answer questions related to Hauora.
- Understand that genes can be tracked from generation to generation and the importance of genetic variation in organisms.

## What skills will you develop this year?

**Using language, symbols and texts appropriately:** You will develop knowledge of Science vocabulary, numeric and symbol systems and conventions of Science such as graphs, formulae, units and diagrams.

**Critical thinking:** Grasp increasingly complex science concepts and apply them to an ever-growing range of contexts.

**Gathering evidence:** You will do Science investigations to gather evidence to answer questions.

**Self-management:** If you have missed lessons – it is up to you, and not your teacher, to ensure you catch up.

**Effective collaboration:** You will engage in scientific conversations about your science experiences, the quality of the evidence you have gathered and the evidence of others.

### ACHIEVEMENT STANDARDS OFFERED IN LEVEL 1 BIOLOGY

Achievement Standard Number	Subject reference	Version number	Topic/Title	Mode of Assessment	Credits
92020	CB1.1	3	Demonstrate understanding of the relationship between a micro-organism and the environment	Internal	5
91921	Sci 1.2	3	Demonstrate understanding of the use of a range of scientific investigative approaches in a context	Internal	5
92022	CB1.3	3	Demonstrate understanding of genetic variation in relation to an identified characteristic	External	5

**Total    15 credits**

## ASSESSMENT PROCEDURES

There are two internal assessments. The Genetics external assessment is assessed during the NCEA examinations at the end of the year. This is on Tuesday 25<sup>th</sup> November.

### Timing of assessments

92020	<i>Micro-organisms</i>	<i>Week 8</i>	<i>Term 1</i>	<i>5 credits</i>
91920	<i>Biology Investigations</i>	<i>Week 1/2</i>	<i>Term 3</i>	<i>5 credits</i>
92022	<i>Genetics</i>	<i>Week 3</i>	<i>Term 4</i>	<i>5 credits</i>

All Achievement Standard tasks will have a checklist of what is required to attain an Achieved, Achieved with Merit or Achieved with Excellence.

### Workbooks and On-line learning

Scipads and Education Perfect will be used for two of the three achievement standards.

### Important Information for Internal Assessments

- **Absences** – It is important that you do not miss any assessments (Internal or External) except for genuine reasons of sickness, accident or other extreme emergency. Providing a Medical Certificate from your Doctor must cover absence during an assessment. On your return to school you will be given the opportunity to do the task for the particular Achievement Standard. This will NOT be possible if you choose to go on a family holiday, or similar non-school related event, at the time of assessment.
- **Assessment Policies** – Information regarding the school policy on assessment, authenticity and appeal procedures is found on <https://hub.rangiruru.school.nz/assessment/>. Ensure you read these thoroughly and follow all guidelines. Know your rights and responsibilities.

- **Authenticity of your assessments**

You will be asked to sign a declaration at the beginning of the year that all work completed for assessment for qualification is your own. If evidence of plagiarism is found in an assessment, the grade of “Not Achieved” will be presented.

Authenticity means that you will:

- Produce your best work independently and have a trail of evidence to show the development of the work
- Meet the check-points for feedback to show evidence of your learning
- Integrate, acknowledge, and footnote your research appropriately
- Provide oral clarification, if necessary, to show the depth of your understanding

- Use AI with integrity by disclosing when, where, and how you have used AI. AI use should be consistent with the *AI Acceptable Use Policy*

Authenticity means that the teacher will:

- Monitor your progress by checking drafts, version histories, arrange checkpoints and give feedback.
  - Communicate the authenticity expectations for each assignment task.
  - Seek oral clarification if required.
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- **Filing** – When an Internal assessment task has been marked you will be asked to **verify the sighting and acceptance of the grade awarded by signing the cover sheet**. All assessed work will then be filed at school for security and for moderation by NZQA, if required.
  - **Assessment** – If a ‘**Not Achieved**’ grade is awarded for an **internally** assessed Achievement Standard, there will be no further assessment opportunities in that Achievement Standard.
  - You **may be** offered the opportunity of a **resubmission** if your work requires a minor corrections or change that you may have overlooked and should be able to identify within a few minutes. Your teacher will approach you prior to the task being handed back to the class as a whole if this is relevant for you. You will be required to identify and make any changes immediately. Your teacher is **not** able to tell you of the specific change required; you must be able to identify the required change yourself.

## Year 11 Biology Year Planner 2025

Week		Date From		Date To	
1	A	27 January	-	2 February	TERM ONE
2	B	3 February	-	9 February	Micro-organisms 92020
3	A	10 February	-	16 February	Waitangi Day 6 <sup>th</sup> Feb
4	B	17 February	-	23 February	
5	A	24 February	-	2 March	
6	B	3 March	-	9 March	
7	A	10 March	-	16 March	
8	B	17 March	-	23 March	Micro-organisms Summative assessment
9	A	24 March	-	30 March	
10	B	31 March	-	6 April	
		7 April	-	13 April	
		14 April	-	20 April	
		21 April	-	27 April	
1	A	28 April	-	4 May	TERM TWO
	B	5 May	-	11 May	Biology Investigations 91921
3	A	12 May	-	18 May	
4	B	19 May	-	25 May	
5	A	26 May	-	1 June	
6	B	2 June	-	8 June	King's Birthday Monday 2 <sup>nd</sup> June
7	A	9 June	-	15 June	
8	B	16 June	-	22 June	Matariki Friday 20 <sup>th</sup> June
9	A	23 June	-	29 June	TERM TWO ends Friday 27 <sup>th</sup> June
		30 June	-	6 July	
		7 July	-	13 July	
		14 July	-	20 July	
1	B	21 July	-	27 July	Biology Investigations assessment TERM 3
2	A	28 July	-	3 August	
3	B	4 August	-	10 August	Genetics 92022
4	A	11 August	-	17 August	
5	B	18 August	-	24 August	
6	A	25 August	-	31 August	
7	B	1 September	-	7 September	
8	A	8 September	-	14 September	
9	B	15 September	-	21 September	TERM THREE ends Friday 19 <sup>th</sup> September
		22 September	-	28 September	
		29 September	-	5 October	
1	A	6 October	-	12 October	TERM FOUR
2	B	13 October	-	19 October	
3	A	20 October	-	26 October	Genetics Practice exam
4	B	27 October	-	2 November	Labour Day Monday 27 <sup>th</sup> October
5	A	3 November	-	9 November	
6	B	10 November	-	16 November	
7	A	17 November	-	23 November	
8	B	24 November	-	30 November	Genetics NCEA exam 25 <sup>th</sup> November

9	A	1 December	-	7 December	TERM FOUR ends Wed 3 <sup>rd</sup> Dec - 11.00am finish Prizegiving Wed 3 <sup>rd</sup> Dec Leavers' Ball – 4 <sup>th</sup> December
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