



Rangi Ruru  
Girls' School

**Year 11 KOIORA - BIOLOGY 2024**

## **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 2024! 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 Rangī Ruru values and Rangī 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 tūāmanano.</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 a report (written or oral) which is completed in class but submitted to NZQA for external marking.

## Timing of assessments

92020	Micro-organisms	Week 11	Term 1	5 credits
91921	Biology Investigations	Week 9	Term 2	5 credits
92022	Genetics	TBD (week 9	Term 3 or start Term 4)	5 credits

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 all 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.
- **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 Topics 2024

Week		Date			
1	A	29 January	-	2 February	92020 – Demonstrate understanding of the relationship between a micro-organism and the environment
2	B	5 February	-	9 February	Waitangi Day: Tues 6 <sup>th</sup> Feb
3	A	12 February	-	16 February	
4	B	19 February	-	23 February	
5	A	26 February	-	1 March	
6	B	4 March	-	8 March	
7	A	11 March	-	15 March	
8	B	18 March	-	22 March	
9	A	25 March	-	29 March	Easter Fri: 29 <sup>th</sup> March
10	B	1 April	-	5 April	Easter Mon & Tues: 1 <sup>st</sup> & 2 <sup>nd</sup> April
11	A	8 April	-	12 April	Internal Assessment
		15 April	-	19 April	
		22 April	-	26 April	Anzac Day: Thurs 25 <sup>th</sup> April
		29 April	-	3 May	
1	B	6 May	-	10 May	91921 – Demonstrate understanding of the use of a range of scientific investigative approaches in a context
2	A	13 May	-	17 May	
3	B	20 May	-	24 May	
4	A	27 May	-	31 May	
5	B	3 June	-	7 June	King's B/D: Mon 3 <sup>rd</sup> June
6	A	10 June	-	14 June	
7	B	17 June	-	21 June	
8	A	24 June	-	28 June	Matariki: Fri 28 <sup>th</sup> June
9	B	1 July	-	5 July	Internal Assessment
		8 July	-	12 July	
		15 July	-	19 July	
		22 July	-	26 July	
1	A	29 July	-	2 August	92022- Biology – Demonstrate understanding of genetic variation in relation to an identified characteristic
2	B	5 August	-	9 August	
3	A	12 August	-	16 August	
4	B	19 August	-	23 August	
5	A	26 August	-	30 August	
6	B	2 September	-	6 September	
7	A	9 September	-	13 September	
8	B	16 September	-	20 September	
9	A	23 September	-	27 September	External Common assessment task?
		30 September	-	4 October	
		7 October	-	11 October	
1	B	14 October	-	18 October	External Common assessment task?
2	A	21 October	-	25 October	
3	B	28 October	-	1 November	STUDY LEAVE <span style="float: right;">Labour Day: Mon 28<sup>th</sup> Oct</span>
4	A	4 November	-	8 November	
5	B	11 November	-	15 November	Show Day: Fri 15 <sup>th</sup> Nov

6	A	18 November	-	22 November	
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