



## 12 Biology Course Outline

### Course Description & Overview

This course explores key biological ideas. All living organisms share a set of essential life processes. Organisms interact with each other and their environment in a way that increases their chance of survival. Species arise, change and become extinct over time, and their genetic makeup maintains continuity while allowing for change.

### Course Calendar

	Week 1	Week 2	Week 3	Week 4	Week 5	Week 6	Week 7	Week 8	Week 9	Week 10	Week 11
Term 1	26/01-01/02	02/02-08/02	09/02-15/02	16/02-22/02	23/02-01/03	02/03-08/03	09/03-15/03	16/03-22/03	23/03-29/03	30/03-05/04	
	Administration	B2.6i patterns (4)				Trip	B2.3i - animal context (3)				
Term 2	20/04-26/04	27/04-03/05	04/05-10/05	11/05-17/05	18/05-24/05	25/05-31/05	01/06-07/06	08/06-14/06	15/06-21/06	22/06-28/06	29/06-05/07
	B2.3i - animal context (3)	B2.4e cells (4)					B2.8i microscopes (3)			B2.5e variation & change (4)	
Term 3	20/07-26/07	27/07-02/08	03/08-09/08	10/08-16/08	17/08-23/08	24/08-30/08	31/08-06/09	07/09-13/09	14/09-20/09	21/09-27/09	
							Revision	Revision	DGE	Revision	
Term 4	12/10-18/10	19/10-25/10	26/10-01/11	02/11-08/11	09/11-15/11	16/11-22/11	23/11-29/11	30/11-06/12	07/12-13/12	08/12-14/12	
	Revision	Revision	Workshops/Tutorials								

### Course Information

- Cost: Learning Workbooks, Field Trip, Examination Revision Workbook
- Equipment: exercise book, writing stationery (pencil/eraser/pens), colouring stationery (coloured pencils/crayons/felt pens), calculator, device, ruler, scissors, glue, folder

### Assessments

Standard & Version #	Standard Name	Credits	Assessment Mode	Literacy	Numeracy	Internal External	Name Reference
2.3 91155	Demonstrate understanding of adaptation of plants or animals to their way of life	3	Choice	Y	N	Internal	Adaptations
2.4 91156	Demonstrate understanding of life processes at the cellular level	4	Examination	Y	N	External	Cells
2.5 91157	Demonstrate understanding of genetic variation and change	4	Examination	Y	N	External	Variation & Change
2.6 91158	Investigate a pattern in an ecological community, with supervision	4	Report	Y	N	Internal	Patterns
2.8 91160	Investigate biological material at the microscopic level	3	Portfolio	N	N	Internal optional	Microscopes

### Ngā Tikanga Akomanga | Classroom expectations

- Tae mai ki te wa mo te akomanga. Arrive on time for class.
- Waiho te waea pūkoro i tō pēke. Leave your phone in your bag unless instructed.
- Whāia te/ngā tohutohu i te wā tuatahi. Follow instructions the first time given.
- Kia kotahi anake te kaikōrero. Speak one person at a time.
- Kia ū tonu, kia aro tika ai ki te mahi. Stay on task and try your best.
- Manaakitia te tangata, te akomanga nei me ngā taputapu katoa. Respect and care for every person, our learning space and all the science equipment.
- Ko te tūmanako ka tahuna ake te ahimura o te ako. Become a lifelong learner.

### In Class

- Actively listen
- Keep records of your work both in books and on your device (wherever appropriate)
- Catch up on work you miss at home

It is your responsibility to behave sensibly in the laboratory to ensure your safety and that of others. All accidents must be reported to your teacher immediately. You must not touch equipment without permission or remove school items from the laboratory.

### **Laboratory Work**

Experimental work is a very important part of science and you will be expected to complete a number of investigations during the year. In the laboratory spaces, please abide by the following rules.

- Be sensible
- Move around the laboratory in an orderly fashion
- No eating or drinking in the laboratory spaces
- Report all accidents to the teachers
- Wear protective eyewear and footwear in the laboratory spaces.

### **At Home**

While most mahi will be completed in class, please ensure that class work is reviewed at home via your exercise book or Google Classroom.

### **Further Assessment Opportunities**

FAOs are NOT offered for any NCEA Standards in this course.

Resubmissions are offered on a case by case basis for bringing a Not Achieved grade up to an Achieved due to a minor omission or error.

### **Digital Contract**

- I understand and will abide by the conditions and rules as set out in the school's Computing/Cybersafety Use Agreement
- I further understand there may be consequences (including the possible loss of access and even disciplinary action) if I should commit any breach of these conditions.
- For the full text of the agreement see the WSC Computing and Cybersafety Student Use Agreement.

### **Authenticity**

A contract between STUDENT, PARENT and WESTERN SPRINGS COLLEGE

- I will present all my own work for assessed activities

When I use other people's ideas these will be acknowledged:

- I will name the source when paraphrasing another's ideas or quoting from a source
- I will give full reference to the source in a bibliography in addition to the acknowledgements

Artificial Intelligence:

- AI tools are not a source
- AI tools may not be used to wholly write assessments

### **Assessment Handbook**

**In Science courses, it is suggested that you take the courses in Years 12 & 13 as a two year programme. However, this is not mandatory. Please communicate with your teacher and/or either co-HOD to discuss your options if you do not follow this progression. They can point you in the right direction and help you find suitable resources for the pathway you wish to pursue.**