

**OTUMOETAI COLLEGE**  
**NCEA BIOLOGY LEVEL 3 – (L3BIOL) 2018**

<b>BIOLOGY – L3BIOL – Approved List</b>					
<i>Course Relationship to the National Vocational Pathways</i>					
Construction & Infrastructure	Manufacturing & Technology	Primary Industries	Services Industries	Social & Community Services	Creative Industries
<b>0</b>	<b>7</b>	<b>19</b>	<b>0</b>	<b>10</b>	<b>0</b>
<b>Course Entry</b>	Minimum entry requirement is 14 credits (at Merit / Excellence level advisable) in Level 2 Biology or if given HOD approval.				
<b>Course Overview</b>	This course involves study of the key concepts of Biology to enable students to choose further study pathways in this specialist area. Biology study includes contemporary issues in Biology, evolution of species including humans, animal behaviour and plant responses to the environment and homeostasis. This course is a prerequisite for entry into many University and Polytechnic Course pathways.				
<b>Assessment</b>	This course will be assessed to a selection of Achievement Standards, both internal and external, with students having the opportunity to gain up to 21 credits at Level 3.				
<b>Cost for Trip</b>	Fieldtrip to the Goat Island Marine Reserve				<b>\$150.00</b>

**Aim**

1. To provide a context to develop the five key competencies identified in the New Zealand Curriculum - *thinking, using language, symbols, and texts, managing self, relating to others, participating and contributing* – to use these competencies to live, learn, work, and contribute as active members of communities.
2. To develop an understanding of living things and how they interact with each other and the environment, the diversity of life and life processes.
3. To understand where and how life has evolved in order to gain an appreciation of evolution as the link between life processes and ecology, and of the impact of humans on all forms of life.
4. As a result of studying Biology, students will be able to make more informed decisions about significant biological issues with an emphasis is on the biology of New Zealand, including the sustainability of New Zealand’s unique fauna and flora and distinctive ecosystems.
5. To prepare students for success in NCEA Level three examinations and further study pathways.

**Description**

This course involves study of the key concepts of Biology to provide students with the background to understand Biology for everyday life, to prepare for the workforce or to choose further study pathways in this specialist area. Biology is a prerequisite for many university and Polytechnic Courses.

**Topics**

Current issues in Biology.  
 Evolutionary processes.  
 Homeostasis.

Reponses of plants and animals to their environment.  
 Trends in human evolution.

## Assessment Programme – Achievement Standards 2018

		<b>Credits</b>
<b>External</b>		
AS91603 v2 <b>Biology 3.3</b>	Demonstrate understanding of the responses of plants and animals to their external environment	5
AS91606 v2 <b>Biology 3.6</b>	Demonstrate an understanding of trends in human evolution	4
<b>Internal</b>		
AS91602 v2 <b>Biology 3.2</b>	Integrate biological knowledge to develop an informed response to a socio-scientific issue	3
AS91601 v2 <b>Biology 3.1</b>	Carry out a practical investigation in a biological context, with guidance	4
AS91604 v2 <b>Biology 3.4</b>	Demonstrate understanding of how an animal maintains a stable internal environment	3

### Assessment Opportunity

Students are expected to complete all assessment activities on or before the due date. A further assessment opportunity will only be offered to classes where practicable. The final decision as to whether the class will be offered a further assessment opportunity lies with the Head of Faculty.

### Derived Grades

These are only available for external standards and will depend on evidence available from practice examinations and other assessed work completed in class that is related to the same learning outcomes.

### Work Deadlines & Lateness

All work must be handed in **at the beginning of the lesson on the due date**. Work **must be personally delivered to the teacher concerned** and must not be placed in the teacher's pigeonhole or left on the teacher's desk.

All in-class and fieldtrip assessments must be completed on the set day unless **prior approval** has been requested of the individual teacher and approved by the Head of Department.

Assessment tasks handed in late without prior approval, will not necessarily be accepted for marking. The decision to accept or not accept a late assessment tasks will be made by the individual decision. Students who fail to submit work for assessment will be recorded as "not submitted" and can expect to receive a "not achieved" for that standard.

Students enrolled in all Science Department course are entered in all standards being assessed as part of that course unless they negotiate to be removed from that particular standard **at the beginning of the year** and will require written parental permission to be removed from any standard.

### How to Appeal a Grade

Appeals against grades awarded should be made following the procedure outlined in the school policy on appeals. Students wishing to appeal a grade must do so within 48 hours of receiving notification of their assessed grade.

### Storage of Student Work

The Science Department will retain all student assessment material until it is no longer required by NZQA for moderation purposes.

### Authenticity

Except where specified in the assessment task, all work is to be the student's own. Assessment tasks completed outside of examination conditions will require a signed statement of authentication from students.

**Marking and Moderation**

Student's work will be marked by the class teacher following NCEA assessment schedules. For marking consistency, some assessment tasks or sections of tasks may be marked by the same teacher for all classes. Moderation will take place at the beginning and end of the marking to ensure consistency between classes.

**Resources & Texts**

Texts and resource material will only be loaned to students through the bar coded issue system and remain the property of the Science Department. Lost materials and texts will be replaced by the students responsible at his/ her own cost which must be cleared before further texts will be issued.

**Welcome to the Science Department. The Science staff are here to help you enjoy your learning and make the most of the learning opportunities provided.**

# YEAR PLANNER 2018

# SUBJECT: 13 Biology

TERM 1 102 half-days	Week 1 29 Jan – 2 Feb	Week 2 5 - 9 Feb	Week 3 12 - 16 Feb	Week 4 19 - 23 Feb	Week 5 26 Feb – 2 Mar	Week 6 5 – 9 Mar	Week 7 12 – 16 Mar	Week 8 19 - 23 Mar	Week 9 27 - 30 Mar	Week 10 2 – 6 Apr	Week 11 9 – 13 Apr	
<b>Context</b>	Anniversary Day (30) Teacher-only-day Tues 31	Wairangi Day (6)	14-16 Feb Fieldtrip Tahiti	Marine Reserves	AS 91602			Plant & Responses	Animal AS91603	Easter Friday	Easter Monday	Easter Tuesday
<b>Assessment</b>						Assessment AS 91602		SUMMER TOURNAMENT WEEK				

TERM 2 98 half-days	Week 1 30 Apr - 4 May	Week 2 7 - 11 May	Week 3 14 - 18 May	Week 4 21 – 25 May	Week 5 28 May – 1 Jun	Week 6 4 - 8 June	Week 7 11 - 15 June	Week 8 18 - 22 June	Week 9 25 - 29 Jun	Week 10 2-6 July
<b>Context</b>	Plant & Responses	Animal AS91603			Animal Behaviour Study	AS 91601 Queen's B Day (4)				Homeostasis AS 91604
<b>Assessment</b>		Assessment AS 91603					AS 91601 Submission 14/6	SENIOR EXAMS WEEK		

TERM 3 100 half-days	Week 1 23 - 27 July	Week 2 30 July - 3 Aug	Week 3 6 – 10 Aug	Week 4 13 - 17 Aug	Week 5 20 - 24 Aug	Week 6 27-31 Aug	Week 7 3 - 7 Sept	Week 8 10 - 14 Sept	Week 9 19 - 21 Sept	Week 10 24 - 28 Sept
<b>Context</b>		Homeostasis AS 91604					Human Evolution	AS 91606		
<b>Assessment</b>			AS 91604 Submission 10/8				WINTER TOURNAMENT WEEK		SENIOR EXAMS WEEK	

TERM 4 78 half-days	Week 1 15 - 19 Oct	Week 2 22 - 26 Oct	Week 3 29 Oct - 2 Nov	Week 4 5 – 9 Nov	Week 5 12 - 16 Nov	Week 6 19 - 23 Nov	Week 7 26 – 30 Nov	Week 8 3 – 7 Dec
<b>Context</b>	Human Evolution AS 91606	Labour Day (22)	Revision					TOD 8 Dec
<b>Assessment</b>				NCEA EXAMS START				