

<b>Title</b>	<b>Explain biodiversity of New Zealand</b>		
<b>Level</b>	<b>4</b>	<b>Credits</b>	<b>4</b>

<b>Purpose</b>	People credited with this unit standard are able to: describe the theory of evolution by natural selection; and explain the origin and characteristics of New Zealand's unique fauna and flora.
----------------	---

<b>Classification</b>	Science > Biology
-----------------------	-------------------

<b>Available grade</b>	Achieved
------------------------	----------

---

### Guidance Information

None.

---

### Outcomes and performance criteria

#### Outcome 1

Describe the theory of evolution by natural selection.

#### Performance criteria

- 1.1 The theory of evolution is described in terms of the mechanisms of natural selection.
- 1.2 Evidence for evolution is described in terms of natural selection.  
Range geological, morphology, molecular.
- 1.3 Speciation is described in terms of the mechanisms involved.  
Range mechanisms include – allopatric (vicariance, dispersal); sympatric.
- 1.4 Adaptive radiation is described in terms of New Zealand biodiversity.

#### Outcome 2

Explain the origin and characteristics of New Zealand's unique fauna and flora.

Range a plant, an animal.

**Performance criteria**

- 2.1 New Zealand's fauna and flora are explained in terms of their unique characteristics.
- Range originated from Gondwanaland; dispersed pre-ice age across sea gaps; dispersed post-ice age across sea gaps.
- 2.2 Introduced species are explained in terms of their effect on New Zealand's fauna and flora.

<b>Replacement information</b>	This unit standard replaced unit standard 8105.
--------------------------------	---

**This unit standard is expiring. Assessment against the standard must take place by the last date for assessment set out below.**

**Status information and last date for assessment for superseded versions**

Process	Version	Date	Last Date for Assessment
Registration	1	21 May 2010	31 December 2022
Rollover and Revision	2	27 January 2015	31 December 2022
Rollover and Revision	3	15 June 2017	31 December 2022
Revision	4	26 October 2017	31 December 2022
Review	5	22 October 2020	31 December 2022

<b>Consent and Moderation Requirements (CMR) reference</b>	0113
--	------

This CMR can be accessed at <http://www.nzqa.govt.nz/framework/search/index.do>.