

Title	Explain biodiversity of New Zealand		
Level	4	Credits	4

Purpose	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.
----------------	---

Classification	Science > Biology
-----------------------	-------------------

Available grade	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.

Replacement information	This unit standard replaced unit standard 8105.
--------------------------------	---

Planned review date	31 December 2020
----------------------------	------------------

Status information and last date for assessment for superseded versions

Process	Version	Date	Last Date for Assessment
Registration	1	21 May 2010	N/A
Rollover and Revision	2	27 January 2015	N/A
Rollover and Revision	3	15 June 2017	N/A
Revision	4	26 October 2017	N/A

Consent and Moderation Requirements (CMR) reference	0113
--	------

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

Comments on this unit standard

Please contact NZQA National Qualifications Services nqs@nzqa.govt.nz if you wish to suggest changes to the content of this unit standard.