

Achievement Standard

Subject Reference Biology 2.2

Title Research the interaction between humans and an aspect of biology

Level 2 **Credits** 3 **Assessment** Internal

Subfield Science

Domain Biology

Registration date 26 November 2004 **Date version published** 26 November 2004

This achievement standard involves researching the impact of human activities on an ecosystem or researching how an applied biology technique is used to meet a human need or demand.

Achievement Criteria

| Achievement | Achievement with Merit | Achievement with Excellence |
|--|---|---|
| <ul style="list-style-type: none">Research and describe the interaction between humans and an aspect of biology. | <ul style="list-style-type: none">Research and explain the interaction between humans and an aspect of biology. | <ul style="list-style-type: none">Research and discuss the interaction between humans and an aspect of biology. |

Explanatory Notes

- 1 This achievement standard is derived from *Biology in the New Zealand Curriculum*, Learning Media, Ministry of Education, 1994, pp. 20-26, achievement objective 7.3(a) and 7.3(b).
- 2 In *research*, the student collects data from secondary sources. Some use of primary sources, eg through interviews, is acceptable. It is expected that students will carry out their own research and reference their material.

- 3 *Interaction between humans and an aspect of biology* could be selected from either:
 - the impact of a human activity on an ecosystem. The impact of human activities needs to be considered in relation to the biology of the ecosystem and/or the organisms; or
 - the use of an applied biology technique. The use of an applied biology technique needs to be considered in relation to the human need or demand and the biological concepts and processes used in the technique.
- 4 The results of the research could be presented as a written report, newspaper article, seminar, video, web page, or power point presentation.
- 5 Terms:
 - *Describe* requires the student to define, give characteristics of, or an account of.
 - *Explain* requires the student to provide a reason as to how or why something occurs.
 - *Discuss* requires the student to show understanding by linking several biological ideas. It may involve justifying, relating, evaluating, comparing and contrasting, or analysing.

Replacement information

This achievement standard replaced AS90458 and AS90483.

Quality Assurance

- 1 Providers and Industry Training Organisations must be accredited by the Qualifications Authority before they can register credits from assessment against achievement standards.
- 2 Accredited providers and Industry Training Organisations assessing against achievement standards must engage with the moderation system that applies to those achievement standards.

Accreditation and Moderation Action Plan (AMAP) reference

0226