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**PSYCHOLOGY**  
**Explain the neurological bases of  
behaviour**

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<b>level:</b>	<b>3</b>
<b>credit:</b>	<b>4</b>
<b>planned review date:</b>	December 2008
<b>sub-field:</b>	Social Science Studies
<b>purpose:</b>	People credited with this unit standard are able to identify gross neuroanatomy and explain brain functions, and explain the structure and functions of the neuron.
<b>entry information:</b>	Open.
<b>accreditation option:</b>	Evaluation of documentation by NZQA.
<b>moderation option:</b>	A centrally established and directed national moderation system has been set up by NZQA.
<b>special notes:</b>	Material researched to meet the requirements of element 1 must be published and available in the public arena.

## **Elements and Performance Criteria**

### **element 1**

Identify gross neuroanatomy and explain brain functions.

#### **performance criteria**

- 1.1 Major human brain structures are identified and located on a diagram.
- 1.2 Brain functions are identified and linked with associated brain structures.
- 1.3 Evidence from one published case study or research document, quoted and referenced, shows the possible relationship between brain anatomy and human behaviour.

### **element 2**

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Explain the structure and functions of the neuron.

**performance criteria**

- 2.1 Structure of the neuron is identified.
- 2.2 Functions of the neuron are described.
- 2.3 One practical example, such as synaptic transmission or neural impulse, is used to explain the effect of neural activity on behaviour.

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**Comments on this unit standard**

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

**Please Note**

Providers must be accredited by the Qualifications Authority or a delegated inter-institutional body before they can register credits from assessment against unit standards or deliver courses of study leading to that assessment.

Industry Training Organisations must be accredited by the Qualifications Authority before they can register credits from assessment against unit standards.

Accredited providers and Industry Training Organisations assessing against unit standards must engage with the moderation system that applies to those standards.

Accreditation requirements and an outline of the moderation system that applies to this standard are outlined in the Accreditation and Moderation Action Plan (AMAP). The AMAP also includes useful information about special requirements for providers wishing to develop education and training programmes, such as minimum qualifications for tutors and assessors, and special resource requirements.

This unit standard is covered by AMAP 0226 which can be accessed at <http://www.nzqa.govt.nz/site/framework/search.html>.