

Achievement Standard

Subject Reference Biology 1.6

Title Describe the functioning of human digestive and skeletomuscular systems

Level 1 **Credits** 4 **Assessment** External

Subfield Science

Domain Biology

Registration date 21 November 2003 **Date version published** 7 December 2005

This achievement standard involves the description of biological ideas relating to the functioning of human digestive and skeletomuscular systems.

Achievement Criteria

Achievement	Achievement with Merit	Achievement with Excellence
<ul style="list-style-type: none"> Describe biological ideas relating to the functioning of human digestive and skeletomuscular systems. 	<ul style="list-style-type: none"> Describe biological ideas relating to the functioning of human digestive and skeletomuscular systems. Explain biological ideas relating to the functioning of the human digestive or the skeletomuscular system. 	<ul style="list-style-type: none"> Describe biological ideas relating to the functioning of human digestive and skeletomuscular systems. Discuss biological ideas relating to the functioning of the human digestive or the skeletomuscular system.

Explanatory Notes

- This achievement standard is derived from *Biology in the New Zealand Curriculum*, Learning Media, Ministry of Education, 1994, p. 14, achievement objective 6.1 (b).
- Biological ideas* relating to these organ systems will be selected from:
 - the structural components of the system(s)
 - the functioning of the components of the system(s)
 - the processes carried out by the system(s)
 - the role of the system in the functioning of a healthy body
 - factors that affect the functioning of the system(s)
 - malfunctions – causes, effects, correction.

- 3 Processes carried out by each system will be selected from:
 - digestive – digestion (physical, chemical), absorption, egestion, peristalsis, transport, enzyme action
 - skeletomuscular – tissue growth/repair, deposition, contraction and relaxation.
 - 4 Malfunctions of organ systems will be selected from:
 - digestive – ulcer, constipation, diarrhoea, bowel cancer
 - skeletomuscular – breaks, strains, sprains, arthritis, osteoporosis.
 - 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 biological ideas. It may involve students in elaborating, applying, justifying, relating, evaluating, comparing and contrasting, analysing.
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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