

Achievement Standard

Subject Reference Science 1.3

Title Describe features of science that have contributed to the development of a science idea in a local context

Level 1 **Credits** 5 **Assessment** External

Subfield Science

Domain Science – Core

Status Approved **Status date** December 2023

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Purpose Statement

Students are able to describe features of science that have contributed to the development of a science idea in a local context.

Achievement Criteria

Achievement	Achievement with Merit	Achievement with Excellence
<ul style="list-style-type: none"> Describe features of science that have contributed to the development of a science idea in a local context 	<ul style="list-style-type: none"> Explain features of science that have contributed to the development of a science idea in a local context 	<ul style="list-style-type: none"> Examine features of science that have contributed to the development of a science idea in a local context

Explanatory Notes

1 *Describe features of science that have contributed to the development of a science idea in a local context* involves:

- identifying the characteristics of the features of science for an identified science idea
- outlining how the features of science contributed to the development of the science idea.

Explain features of science that have contributed to the development of a science idea in a local context involves:

- explaining why each identified feature of science was significant to the development of the science idea.

Examine features of science that have contributed to the development of a science idea in a local context involves:

- discussing how the features of science have interacted in the development of the science idea.

2 Examples of *features of science* include:

- replicable, verifiable data collection
- interpreting patterns and interactions
- linking new evidence to existing models, theories, and ideas
- the development of science ideas in response to new evidence or varied perspectives, such as Māori and Pacific knowledge systems
- the influence of social and cultural factors on science
- the influence of the development and use of technology on science
- responding to needs and opportunities
- rigorously reviewing claims
- using specific language, symbols, and conventions
- being tentative by nature; the only certainty in science is when a claim is disproved
- the attributes of the people who carry out the science such as curiosity, collaboration, competitiveness, creativity, and critical thinking.

3 A *local context* refers to an Aotearoa New Zealand or Pacific context.

4 Refer to the NCEA [glossary](#) for Māori, Pacific, and further subject-specific terms and concepts.

5 This achievement standard is derived from the Science Learning Area at Level 6 of *The New Zealand Curriculum: Learning Media*, Ministry of Education, 2007.

Replacement Information

This achievement standard, AS91920, AS91921, and AS91923 replaced AS90940-AS90955

Quality Assurance

1 Schools and institutions must have been granted consent to assess by NZQA before they can register credits from assessment against achievement standards.

2 Schools and institutions with consent to assess must engage with the moderation system that applies to those achievement standards.

Consent and Moderation Requirements (CMR) reference 0233
