Assessment Schedule – 2019

Digital Technologies and Hangarau Matihiko: Demonstrate understanding of a computer science concept (91898)

Assessment Criteria

Achievement	Achievement with Merit	Achievement with Excellence
Demonstrating **understanding** of a computer science concept involves: • identifying the computer science concept • providing details of how the concept is used, is implemented, or occurs • explaining how the concept has been or could be applied to address an opportunity • explaining relevant mechanisms that shape the concept.	Demonstrating **in-depth understanding** of a computer science concept involves: • explaining the impact of the concept.	Demonstrating **comprehensive understanding** of a computer science concept involves: • explaining key problems or issues related to the concept.

Evidence

The suggested length is 800–1500 words.

N1	N2	A3	A4	M5	M6	E7	E8
Demonstrates very little understanding.	Insufficient evidence to show understanding. One part of the required response may be completely missing, or several parts may be weak.	Explanations show understanding of the identified computer science concept, opportunity and mechanisms. Some aspects may be partial or weak. Mechanisms include: techniques, algorithms, principles, protocols, systems, procedures and processes.	Explanations show clear understanding of the identified computer science concept, opportunity and mechanisms.	Detailed explanations of the identified computer science concept, opportunity and mechanisms but understanding of the impact may be partial or weak. Impacts include: ethical issues, social impact, sustainability, human factors and future proofing.	Detailed explanations of the identified computer science concept, opportunity and mechanisms, along with clear understanding of their impact.	Comprehensive explanations of the identified computer science concept, opportunity, mechanisms and impact made, along with clear understanding of key problems or issues.	Comprehensive understanding of the computer science concept demonstrated. Opportunities, mechanisms, impacts and key problems / issues explained.

N0 = No response; no relevant evidence.

Cut Scores

Not Achieved	Achievement	Achievement with Merit	Achievement with Excellence
0 – 2	3 – 4	5 – 6	7 – 8