

ASSESSMENT GUIDELINES

Unit 1018

Install rocks as features in landscape work

Level 4, Credit 4, version 5

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Unit standard 1018

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Level of performance required for this unit standard

This is a level 4 unit standard. At this level trainees are expected to demonstrate the following abilities when completing assessment tasks:

- To work under broad guidance, independently; with complete responsibility for the standards of the outcome achieved.
- To apply technical skills, knowledge and innovation to complete the task to the specified standard, in a variety of familiar and unfamiliar context.
- To analyse and interpret information, and make an informed judgment.

Workplace assessment:

For guidelines on Workplace Assessment, please refer to the NZHITO Workplace Assessors Manual, and for further information, please contact: NZHITO, PO Box 8638, Christchurch. Ph 03 9644 735, Fax 03 9644 737, Website www.hortito.org.nz

Special notes:

1. *Workplace procedures* refer to verbal or written instructions to staff on procedures for the worksite and equipment.
2. Legislation relevant to this unit standard includes but is not limited to the Health and Safety in Employment Act 1992, and Resource Management Act 1991.
3. Any work carried out in playground areas must comply with the New Zealand Standard: NZS 5828:2004 *Playground equipment and surfacing*, available from <http://www.standards.co.nz>.

Unit 1018: Install rocks as features in landscape work (Apprentice copy)

ELEMENT	Competent	Range of evidence an assessor should consider
<p>Element 1 Identify common types and sources of rock used as landscape features.</p>	<p>Yes/No</p>	<ul style="list-style-type: none"> ▪ Describe four common types of natural rock used on landscape features in terms of the characteristics of each. Range: common name, geological name, method of formation, sources, general characteristics. ▪ Describe the principles of artificial moulded rock manufacture in terms of the characteristics of moulded rock, and identify two suppliers of the product. ▪ Calculate the material requirements for a rock feature from site drawings or specifications, and order in accordance with workplace procedures. Range: ordered by – type, size range, weight.
<p>Element 2 Place natural rock as a landscape feature.</p>	<p>Yes/No</p>	<ul style="list-style-type: none"> ▪ Select tools and equipment from a given range, and use them to achieve a specified outcome in accordance with workplace procedures, without injury to the operator or danger to others. Range may include but not limited to - crow bar, block and tackle, lifting tripod, chains, planks and rollers, ropes and strops, shackles, front end loader, crane operated by others. ▪ Maintain the tools and equipment used in the work in accordance with workplace procedures. Range: undamaged, clean, lubricated. ▪ Ensure safety clothing and equipment appropriate for the work, is used by all persons involved in accordance with workplace procedures. Range: footwear, eye protection, gloves, hard hat in lift danger areas. ▪ Use devices to define areas of danger when work is accessible to the public, in accordance with workplace procedures. Range: barriers, lights, warning signs. ▪ Place and secure rock elements as shown in drawings and specification, and to the requirements of the feature designer or their agent. Range: orientation, stability of support ground, relation to associated elements. ▪ Assure the stability of installed rock before lifting or support attachments are removed. Range: compaction of fill around base, setting of poured concrete. ▪ Remove surplus material, and leave site in a condition which enables further work to be done unimpeded in accordance with workplace procedures. ▪ Ensure that communication procedures are set n place to liaise with the mechanical operator and ground staff.
<p>Element 3 Place artificial rock units as a landscape feature.</p>	<p>Yes/No</p>	<ul style="list-style-type: none"> ▪ Lift, place and fix artificial rock units in accordance with the manufacturer’s requirements, to avoid damage to the surface or structure of the unit. ▪ Ensure the final location, orientation, and relation to associated elements are approved by the designer or their appointed agent. ▪ Remove surplus material, and leave site in a condition which enables further work to be undertaken unimpeded in accordance with workplace procedures.

(Name of Apprentice)

is **Competent / Not yet competent** in Unit Standard 1018 (version 5)

Signed (Assessor): _____

WPA Registration Number: _____ Date: _____

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(Assessor copy)**

ELEMENT	Competent	Range of evidence an assessor should consider
<p>Element 1 Identify common types and sources of rock used as landscape features.</p>	<p>Yes/No</p>	<ul style="list-style-type: none"> ▪ Describe four common types of natural rock used on landscape features in terms of the characteristics of each. Range: common name, geological name, method of formation, sources, general characteristics. ▪ Describe the principles of artificial moulded rock manufacture in terms of the characteristics of moulded rock, and identify two suppliers of the product. ▪ Calculate the material requirements for a rock feature from site drawings or specifications, and order in accordance with workplace procedures. Range: ordered by – type, size range, weight.
<p>Element 2 Place natural rock as a landscape feature.</p>	<p>Yes/No</p>	<ul style="list-style-type: none"> ▪ Select tools and equipment from a given range, and use them to achieve a specified outcome in accordance with workplace procedures, without injury to the operator or danger to others. Range may include but not limited to - crow bar, block and tackle, lifting tripod, chains, planks and rollers, ropes and strops, shackles, front end loader, crane operated by others. ▪ Maintain the tools and equipment used in the work in accordance with workplace procedures. Range: undamaged, clean, lubricated. ▪ Ensure safety clothing and equipment appropriate for the work, is used by all persons involved in accordance with workplace procedures. Range: footwear, eye protection, gloves, hard hat in lift danger areas. ▪ Use devices to define areas of danger when work is accessible to the public, in accordance with workplace procedures. Range: barriers, lights, warning signs. ▪ Place and secure rock elements as shown in drawings and specification, and to the requirements of the feature designer or their agent. Range: orientation, stability of support ground, relation to associated elements. ▪ Assure the stability of installed rock before lifting or support attachments are removed. Range: compaction of fill around base, setting of poured concrete. ▪ Remove surplus material, and leave site in a condition which enables further work to be done unimpeded in accordance with workplace procedures. ▪ Ensure that communication procedures are set n place to liaise with the mechanical operator and ground staff.
<p>Element 3 Place artificial rock units as a landscape feature.</p>	<p>Yes/No</p>	<ul style="list-style-type: none"> ▪ Lift, place and fix artificial rock units in accordance with the manufacturer’s requirements, to avoid damage to the surface or structure of the unit. ▪ Ensure the final location, orientation, and relation to associated elements are approved by the designer or their appointed agent. ▪ Remove surplus material, and leave site in a condition which enables further work to be undertaken unimpeded in accordance with workplace procedures.

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Please send this page to your NZHITO Regional Manager, who will forward it to National Office to register the credits on your NZQA Record of Learning.

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