

Mahinga Kai – Te Hoata (Kaupae 3) [Ref: 2348]

New Zealand Certificate in Māori Traditional Food Production, Harvest, and Management (Kaupae 3) Alignment with Unit Standards Guide

(Note: Many of the identified standards can be integrated across ALL the graduate profile outcomes.)

edits)						
Apply effective communication skills and strategies with a range of stakeholders in Mahinga Kai contexts to develop and manage relationships.						
redits)						
 A a manner that is ponone te tika and in accordance with local kawa, tikanga, and elevant legislation. 20 credits) and legislation to protect and enhance mātauranga Mahinga Kai. The following contexts should be explored: Traditional land use production, and harvest of food 	16346Explain the Resource Management Act 1991 and its provision for Māori	Explain Māori terminology and sustainable management as defined in the Act.	1.1 1.2 1.3 1.4	Kaitiakitanga is Tangata when Act. Wāhi tapu is e: Sustainable ma contained in th		
				Explain how the Act recognises and provides for tikanga Māori, and the principles of the Treaty of Waitangi.	2.1 2.2	Section 6(e) and the Act recogn Section 8 of th account the pr
			Carry out a local mahinga kai activity with direction	Plan a local mahinga kai activity	1.1 1.2 1.3	The plan describ The planned act local mahinga ka The planned act with a local mah
			Carry out a local mahinga kai activity. Range a mahinga kai activity includes the collection, preparation, and distribution of kai. Evaluate a local mahinga kai activity.	2.1 2.2 2.3 2.4 3.1 3.2	The local mah Individual parti the activity. The kai is prep The kai is distr The evaluation The evaluation	
	 range of stakeholders in Mahinga Kai contexts to develop and manage relationships. redits) Apply relevant kawa, tikanga, and legislation to protect and enhance mātauranga Mahinga Kai. The following contexts should be explored: Traditional land use production, and harvest of 	range of stakeholders in Mahinga Kai contexts to develop and manage relationships. redits) • Apply relevant kawa, tikanga, and legislation to protect and enhance mātauranga Mahinga Kai. • The following contexts should be explored: • Traditional land use • production, and harvest of food 6146	 range of stakeholders in Mahinga Kai contexts to develop and manage relationships. Apply relevant kawa, tikanga, and legislation to protect and enhance mātauranga Mahinga Kai. The following contexts should be explored: Traditional land use production, and harvest of food 6146 	makinga Kai contexts to develop and manage relationships. 16346 redits) Image: Second Sec	range of stakeholders in Mahinga Kai contexts to develop and manage relationships. 16346 Explain the Resource Management Act 1991 and legislation to protect and enhance matauranga Mahinga Kai. 16346 Explain the Resource Management Act 1991 and its provision for Maori Explain Māori terminology and sustainable management as defined in the Act. 1.1 • The following contexts should be explored: • Traditional land use • production, and harvest of food 6146 Carry out a local mahinga kai activity with direction Plan a local mahinga kai activity. 1.1 6146 Carry out a local mahinga kai activity with direction Plan a local mahinga kai activity. 2.1 Carry out a local mahinga kai activity. 2.3 2.4 Carry out a local mahinga kai activity. 2.2 6146 Carry out a local mahinga kai activity. 2.1 Carry out a local mahinga kai activity. 2.3 2.3 Carry out a local mahinga kai activity. 2.3 2.4 Carry out a local mahinga kai activity. 2.3 2.3 2.4 2.4	



QUALIFY FOR THE FUTURE WORLD KIA NOHO TAKATŪ KI TŌ ĀMUA AO!

Evidence Requirements

a is explained in terms of the definition contained in the Act. enua is explained in terms of the definition contained in the

- explained in terms of the definition contained in the Act.
- management is explained in terms of the definition the Act.
- and section 7(a) of the Act are explained in terms of how gnises and makes provisions for tikanga Māori.
- the Act is explained in terms of how the Act takes into principles of the Treaty of Waitangi.
- ribes a local mahinga kai activity.
- actions are consistent with local tikanga associated with a kai activity.
- actions are consistent with local maramataka associated ahinga kai activity.
- ahinga kai activity is carried out according to the plan. articipation within the group contributes to the purpose of
- epared according to local tikanga.
- stributed according to local tikanga
- on identifies variations from the plan and their effect.
- on identifies aspects of the mahinga kai activity that meet s of the activity.

Graduate Profile Outcome (including indicative credit values)	Programme Guidance	STD No.	Title	Outcomes	
					3.3 The evaluation environment an3.4 The evaluation carrying out the

Kaitiakitanga: (10 credits)

Exercise kaitiakitanga by supporting whānau, hapū, iwi and other stakeholders to preserve, enhance and promote mātauranga	Identify and explain the responsibility of whānau/hapū in the preservation of mātauranga Mahinga Kai to ensure active enhancement of Mahinga Kai for present and future generations.	25478 (L3, C4)	Describe and compare the origins of the kūmara in accordance with local tikanga	Describe the origin and varieties of the kūmara, in accordance with local tikanga.	1.1	A traditional Mā accordance wit Range includ pakiwa evider
Mahinga Kai for present and					1.2	A contemporar
future generations. (10 credits)						Range The D Chines evider
					1.3	Varieties of kur availability toda
						Range may ir evider
				Compare a traditional Māori theory and a contemporary theory of the origins of the kūmara.	2.1	A traditional Ma requirements 1 perspective in t
						Range evider

Pūkengatanga: (10 credits)

. 18							
	Demonstrate pūkengatanga by applying appropriate contemporary technologies to Mahinga Kai mātauranga and practices.	Utilise technology within operational and theoretical practice to protect and enhance mātauranga Mahinga Kai	25470 (L3, C10)	Plan and prepare for, carry out, and evaluate the propagation of crops in accordance with local tikanga	Plan the propagation of crops in accordance with local tikanga.	1.1	Objectives for the with local tikanga Range include source Eviden
	(10 credits)					1.2	Selection of the sand local tikanga
							Range enviror Eviden
						1.3	Seasons and tim crop requiremen
							Range maram
						1.4	Techniques for the with local tikanga
							Range may in transpl

Evidence Requirements

on identifies any impact on the whenua, resource, or and sustainable management practices.

on identifies the effectiveness of group co-operation in the mahinga kai activity.

Māori theory of the origins of the kumara is described in with local history and tikanga.

udes but is not limited to – whakapapa, pūrākau, iwaitara;

lence of one required.

ary theory of the origins of the kumara is described.

e Drift Theory, The International Trade Theory, The nese Intervention Theory, Thor Heyerdahl Theory; dence of one is required.

umara are described in accordance with local tikanga and day.

v include but is not limited to – name, size, shape, origin; lence of three is required

Māori theory and a contemporary theory from evidence s 1.1 and 1.2 are compared from a tangata whenua n terms of key differences of each theory.

lence of two key differences is required.

the propagation of crops are planned for in accordance ga.

des but is not limited to – production, quality, seed ces, future prospects ence of two is required.

e site is planned for in accordance with crop requirements ga.

onment, adequate light, orientation, aspect, soil variances. ence of two is required.

imes for propagation are planned for in accordance with ents and local tikanga.

mataka, observations of Matariki.

the propagation of crops are planned for in accordance ga.

include but are not limited to – mounding, broadcasting, planting, manual planting, mechanical planting, contour,

Graduate Profile Outcome (including indicative credit values)	Programme Guidance	STD No.	Title	Outcomes		
						aspect. Eviden
					1.5	Maintenance of prequirements and
						Range materia Eviden
					1.6	Deviations to the and local tikanga
						Range may in equipm Eviden
				Prepare the propagation bed in accordance with local tikanga.	2.1	The soil for prop requirements an
						Range include conten Eviden
					2.2	The propagation and local tikanga
						Range materia Evider
					2.3	Tools required for requirements and
						Range may ind Eviden

Evidence Requirements

ect.

- ence of two is required.
- of propagation bed is planned for in accordance with crop and local tikanga.
- erials, aeration, temperature and drainage. ence of two is required.
- the plan are included in accordance with crop requirements nga.
- include but are not limited to weather conditions, pment shortage/breakdown, crop diseases. ence of two is required.
- opagation is prepared in accordance with crop and local tikanga.
- Ides but is not limited to weed free, friable, moisture tent.
- lence of two is required.
- on bed is prepared in accordance with crop requirements liga.
- erials, aeration, temperature and drainage. lence of two is required.
- d for propagation are prepared in accordance with crop and local tikanga.
- include but is not limited to mechanical or manual. lence of two is required.

			Carry out the propagation of crops in accordance with the plan and local tikanga.	3.1	Propagation is c
				3.2	Maintenance of accordance with
			Evaluate the propagation of crops.	4.1	The techniques terms of the out
				4.2	Any deviations f crops and the or
				4.3	Areas for improv of enhancing the local tikanga.
	25473 (L3, C10)	Plan and prepare for, carry out, and	Plan the cultivation of crops in accordance with local tikanga.	1.1	Objectives for th with local tikang
		evaluate the cultivation of crops in accordance with local tikanga			Range include cultiva Evider
				1.2	Selection of the tikanga.
					Range enviro Evider
				1.3	Seasons and tin crop requiremer
				1.4	Range maran Techniques for t
					with crop require Range may ir
					plantir Evider
				1.5	The maintenanc
					Range materi Evider
				1.6	requirements ar
					Range may ir equipr Evider

carried out in accordance with the plan and local tikanga.

of the propagation bed and crops is carried out in it the plan and local tikanga.

es applied in the propagation of crops are evaluated in utcome of the crop and in accordance with local tikanga.

s from the plan are evaluated in terms of the effects on the outcome of the crop and in accordance with local tikanga.

ovement in the propagation of crop are evaluated in terms he future outcome of the crop and in accordance with

the cultivation of the crop are planned for in accordance nga.

des but is not limited to – soil management, land vation, crop production, resources, future prospects. ence of two is required.

he site for cultivation is planned for in accordance with local

ronment, local knowledge, soil variances. ence of two is required.

imes for cultivation are planned for in accordance with ents and local tikanga.

amataka, observations of Matariki.

r the cultivation of crops are planned for in accordance irements and local tikanga.

include – mounding, broadcasting, transplanting, manual ting, mechanical planting, contour, aspect. ence of two is required.

nce of the cultivation bed is planned for in accordance with ents and local tikanga.

erial, aeration, temperature, and drainage. ence of two is required.

m the plan are planned for in accordance with crop and local tikanga.

include but is not limited to – weather conditions, pment shortage/breakdown, crop diseases. ence of two is required.

Graduate Profile Outcome (including indicative credit values)	Programme Guidance	STD No.	Title	Outcomes		
				Prepare the mārā for cultivation in accordance with local tikanga.	2.1 2.2 2.3	The soil is prepa and local tikanga Range include conten Evider The cultivation b requirements an Range materia Evider Tools required for requirements an
				Carry out the cultivation of the crop in accordance with local tikanga.	3.1 3.2	Cultivation is can with local tikang Maintenance of the plan and in a
				Evaluate the cultivation of the crop in accordance with local tikanga.	4.1 4.2 4.3	The techniques terms of the out Any deviations f crops, the outco Areas for improv of enhancing the local tikanga.
		25475 (L3, C10)	Plan and prepare for, carry out, and evaluate the harvesting of crops in accordance with local tikanga	Plan to harvest a crop in accordance with local tikanga.	1.1 1.2 1.3 1.4	crop requiremer
				Prepare to harvest a crop in accordance with local tikanga.	2.1 2.2	tikanga.
				Carry out the harvesting of the crop in accordance with local tikanga.	3.1	The crop is harv plan and local til

Evidence Requirements

epared for cultivation in accordance with crop requirements nga.

udes but is not limited – weed free, friable, moisture tent.

lence of two is required.

n bed is prepared in accordance with the crop and local tikanga.

erials, aeration, temperature, and drainage. lence of two is required.

d for cultivation are prepared in accordance with the crop and local tikanga.

carried out in accordance with the plan and in accordance nga practices.

of the māra and crops are carried out in accordance with n accordance with local tikanga practices.

es applied in the cultivation of the crop are evaluated in outcomes of the crop and in accordance with local tikanga.

s from the plan are evaluated in terms of the effects on the comes of the crop, and in accordance with local tikanga.

rovement in the cultivation of crops are evaluated in terms the future outcome of the crop and in accordance with

the harvesting of the crop are planned for in accordance nga.

udes but is not limited to – quantity, quality, grading, future spects.

lence of two is required.

es for harvesting are planned for in accordance with local

amataka, observations of Matariki.

arvesting the crops are planned for in accordance with nents and local tikanga.

the plan are included in accordance with crop and local tikanga.

v include but is not limited to – weather conditions, ipment shortage/breakdown, crop diseases. lence of two is required.

pared in accordance with crop requirements and local

pared in accordance with the storage plan and local

arvested in accordance with the crop requirements, the tikanga.

Graduate Profile Outcome (including indicative credit values)	Programme Guidance	STD No.	Title	Outcomes		
				Evaluate the harvesting of the crop.	4.1	The methods ap the outcome of t
					4.2	Any deviations f outcome of the o tikanga.
					4.3	Areas for improvent enhancing the fu tikanga.
		25477 (L3, C10)	Plan and prepare for, carry out, and evaluate the storage	Plan to store crops in accordance with local tikanga.	1.1	Objectives for the local tikanga.
			of crops in accordance with local tikanga			Range include source evider
					1.2	and local tikang
					1.0	Range may in evider
					1.3	Storage method and local tikang Range may ir
					1.4	evider Deviations to the
						requirements ar Range may ir tempe evider
				Prepare the storage facility in accordance with local tikanga.	2.1	Storage facility i plan, and local t
						Range traditio
					2.2	Equipment requ requirements, a
				Carry out the storage of crops.	3.1	Storage of crops the plan, and loo
				Evaluate the storage of crops.	4.1	The methods ap the outcome of
					4.2	Any deviations f crop outcomes a
					4.3	Areas for improview the future outco

Evidence Requirements

applied in the storage of the crop are evaluated in terms of of the crop and in accordance with local tikanga.

s from the plan are evaluated in terms of the effects on the e crop during storage and in accordance with local

rovement in propagation are evaluated in terms of e future outcome of the crop and in accordance with local

the storage of the crop are planned for in accordance with

- udes but is not limited to production, quality, seed rces, future prospects;
- lence of two is required.
- ices are planned for in accordance with crop requirements nga.
- v include but is not limited to indoor, underground; lence of one is required.
- ods are planned for in accordance with crop requirements nga.
- v include but is not limited to mahiti, curing, elevated, rua; lence of two is required.
- the plan are included in accordance with crop and local tikanga.
- include but is not limited to crop diseases, moisture, perature;
- ence of two is required.
- is prepared in accordance with crop requirements, the tikanga.
- itional and/or contemporary, outdoors or indoors; lence of two is required.
- quired is prepared for in accordance with crop, and local tikanga.

ops is carried out in accordance with crop requirements, local tikanga.

applied in the storage of the crop are evaluated in terms of of the crop and in accordance with local tikanga.

from the plan are evaluated in terms of the effects on the and in accordance with local tikanga.

rovement in storage are evaluated in terms of enhancing come of the crop and in accordance with local tikanga.

Graduate Profile Outcome (including indicative credit values)	Programme Guidance	STD No.	Title	Outcomes		
Rangatiratanga: (10 cred	its)					
Exercise rangatiratanga to preserve, enhance and promote mātauranga Mahinga Kai a-whānau, ā- hapū, or a-lwi.	Apply appropriate skills, processes, kawa, and tikanga within a Mahinga Kai operational context to protect and enhance mātauranga Taiao held within whānau, hapū, and iwi.	15974 (L3, C5)	Demonstrate knowledge of Māori temperature control systems for crop storage and ngā whare Māori.	Explain Māori temperature control systems in relation to ngā whare Māori. Range may include but not limited to earth, geothermal, wood, raupo, toitoi, rarauwhe/bracken, grasses, rocks. Evidence of three is required.	1.1 1.2	Explanation descr whare Māori. Explanation descr systems used for
(10 credits)				Explain Māori temperature control systems in relation to crop storage	2.1 2.2 2.3	Explanation description Range tikanga evidenti Evidence Explanation description crop storage. Range explana retention consum Explanation description
				Explain how Māori maintained temperature in accordance with local practices and local environment.	3.1 3.2 3.3	different crops. Range at least to Explanation descr Māori. Range variabilit Explanation descr environment in ac Explanation descr strategies used by
				Explain a traditional and contemporary whare Māori and evaluate temperature control systems used.	4.1 4.2 4.3	Explanation descr Range explanation used in a Explanation descr and contemporary Explanation evalu in traditional and c
		6145 (L3, C6)	Explain mahinga kai in relation to the way Māori use taonga of the natural world	Explain mahinga kai in relation to how Māori connect to the natural world.	1.1 1.2 1.3	The explanation d to the natural work The explanation p how Māori connec Range three loo The explanation p relation to how Mā
				Explain mahinga kai in relation to how Māori use taonga of the natural world.	2.1	The explanation of the nation

scribes three Māori temperature control systems for ngā

scribes effectiveness of three Māori temperature control or whare Māori.

scribes tikanga associated with crop storage.

ga – cultural concepts, first principles, best practices, ntial influences.

nce of one is required.

scribes three Māori temperature control systems related to

nation must include aspects related to the food value, the tion of tolerable safety levels for human and animal umption.

scribes appropriate temperature control systems used for

st three different crops.

scribes three temperature maintenance strategies used by

ility of temperature control application.

scribes temperature maintenance strategies in a local accordance with local practices.

scribes effectiveness of temperature maintenance by Māori.

scribes a traditional and contemporary whare Māori.

nation must refer to functional role, notions and ideas in design construction and maintenance of a whare Māori.

scribes the temperature control system used in traditional ary whare Māori.

aluates effectiveness of temperature control systems used d contemporary whare Māori.

n describes mahinga kai in relation to how Māori connect orld.

n provides local examples of mahinga kai in relation to nect to the natural world.

local examples are required.

n provides reasons for the importance of mahinga kai in Māori connect to the natural world.

n describes mahinga kai in relation to how Māori use atural world.

		Outcomes	Title	STD No.	Programme Guidance	Graduate Profile Outcome (including indicative credit values)
.2 The explanation phow Māori use ta	2.2					
Range three lo						
.3 The explanation prelation to how M	2.3					
.1 The explanation in activities.	3.1	Explain local tikanga in relation to mahinga kai activities.				
.2 The explanation of activities.	3.2	Range a minimum of three mahinga kai activities is required.				
.3 The explanation prelation to mahing	3.3					
.1 The explanation i activities.	4.1	Explain local maramataka in relation to mahinga kai activities.				
.2 The explanation of activities.	4.2	Range a minimum of three mahinga kai activities is required.				
.3 The explanation maramataka in re	4.3					

Programme developers may also consider Level 2 unit standards to achieve the graduate profile outcomes. This certificate is listed at level 3 and must comprise a minimum of 40 credits at level 3 or above.

Level 2 Unit Standards								
15975 Demonstrate knowledge of traditional insecticides and fungicides used by Māori								
15980	Demonstrate knowledge of te whānau marama	2 Credits						
15982	Demonstrate knowledge of tikanga Māori for rākau Māori used for kai	2 Credits						
15992	15992 Explain harvesting and processing of a native freshwater and a native marine fish or shellfish species for kai							
15994	Demonstrate knowledge of a native freshwater and a native marine plant species used for kai	3 Credits						
25469	Describe crop propagation in accordance with local tikanga	4 Credits						
25471	Describe the cultivation of crops in accordance with local tikanga	4 Credits						
25474	Describe the harvesting of crops in accordance with local tikanga	4 Credits						
25476	25476 Describe crop storage practices in accordance with local tikanga 3							
Dependent o	Dependent on the programme of study health and safety practice unit standards may be included.							

Evidence Requirements

on provides local examples of mahinga kai in relation to taonga of the natural world.

local examples are required.

on provides reasons for the importance of mahinga kai in Māori use taonga of the natural world.

on identifies local tikanga in relation to mahinga kai

on describes local tikanga in relation to mahinga kai

on provides reasons for the importance of tikanga in ninga kai activities.

on identifies local maramataka in relation to mahinga kai

on describes local maramataka in relation to mahinga kai

on provides reasons for the importance of local needed. In relation to mahinga kai activities.