



# Gateway 2022

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**Primary ITO**  
Rōpū Whakangungu Ahuwhenua Ahumahi

# WHĀIA TE ITI KAHURANGI

*Pursue excellence*



# Welcome to Primary ITO's Gateway Programme

Primary ITO offers Gateway unit standards across the Primary Industry Sector including Agriculture, Horticulture, Sports Turf, Apiculture, Te Whakamahi Whenua and Seafood. Students will gain credits and an understanding of the primary sector to help them make informed choices about their future career in our exciting industry.

Gateway courses are designed for senior secondary school students (Years 11, 12 and 13). They provide opportunities for students to align to apprenticeships and tertiary programmes and achieve various vocational credits alongside their school qualifications.

Primary ITO, if requested, will endeavour to support the school's Gateway department or coordinator with locating work placements to ensure students gain meaningful and genuine on job learning and employment experiences. Their learning will be assessed against unit standards. Assessments are marked and results reported to NZQA by Primary ITO. The student is fully funded through Gateway Funding and their school.

For all information please email [gateway@primaryito.ac.nz](mailto:gateway@primaryito.ac.nz). You'll be able to select either individual Unit Standards or combine units to create a package for your students.

## Memorandum of Understanding (MOU)

On receipt of the first enrolment or contact with the Primary ITO Gateway Co-ordinator, a Memorandum of Understanding (MOU) will be sent to the school's STAR/Gateway Coordinator within 10 working days. This MOU will cover the academic year for all students and related purchases. The MOU must be signed and returned to the Primary ITO Gateway Co-ordinator. Primary ITO will return a counter-signed MOU for your files.

## Enrolment Forms

Enrolments for Primary ITO Gateway programme must be completed by the schools' STAR/Gateway Coordinator. Students need to be registered using their legal name as listed in KAMAR/NSN identification and the applicable unit standards ticked on the Enrolment Form. The Enrolment Form needs to be emailed to the Primary ITO Gateway Co-ordinator.

## Work Placements

Please ensure that an appropriate workplace is identified for your students. Primary ITO will endeavour to support you with this process if required.

## Assessments

All course material and assessments are sent to schools in hardcopy. Please ensure students complete ALL parts of the assessments before returning to Primary ITO for marking. The School's STAR/Gateway Coordinator will need to be familiar with the assessment and verification requirements. Please take a copy of the student's assessment before sending to Primary ITO for marking.

## Marking and Resubmissions

All assessments are sent to the Primary ITO Gateway Co-ordinator for marking. If students are marked Not Achieved they will either be contacted by the marker or their work will be sent back to the school to allow the student the opportunity to re-submit.

Results are reported by Primary ITO to NZQA. Students will be marked Competent (C) or Not Achieved (N).

Schools will be advised of the final result as reported to NZQA.

## Additional Information

We do not accept change of mind/student withdrawal returns, and no credits are offered.

There is an approximate 10 working day turn around for enrolment and printing.

There is an approximate 2 – 4 day courier time frame.

# Primary ITO Gateway Ordering and Resulting process



School initiates contact by email: [gateway@primaryito.ac.nz](mailto:gateway@primaryito.ac.nz)

MOU emailed to school, signed by School and returned by email. Countersigned copy returned to school.

Gateway enrolment form completed by school and returned via email.

**Note:** Not all learning can be undertaken in the classroom. If assistance is required for work placements, contact the PITO Coordinator.

All Horticulture, Sports Turf and Apiculture workplacements need to be accepted by the specialist team, via the PITO Coordinator.

Assessment completed - School keeps a copy of all documentation. Original returned to: Gateway Co-ordinator, PO Box 15, Owaka 9535

Assessment sent to appropriate assessor.

Invoice raised by PITO and sent to school

Assessor may seek additional information of documentation (as required) directly with the school.

Assessment resulted by Primary ITO and will be forwarded to NZQA. School will be advised.

# Gateway 2022 Programme

## Farming Skills/Agriculture

Unit No.	Unit Title	Level	Credits	Version
37	Install fencing wire	3	6	5
561	Install, dismantle, and store temporary electric fences	2	2	5
572	Describe electric fencing components and systems	3	5	4
18191	Demonstrate knowledge of safe handling and health problems of dairy cattle associated with milking	2	3	4
18193	Describe farm dairy design and the farm dairy effluent system	2	2	4
19074	Prepare for calving and calve a cow as directed	2	5	3
19106	Assist with handling livestock when moving and drafting, and when livestock are distressed	2	4	3
19110	Work a farm dog and maintain its health and welfare	2	10	3
19112	Check and report on livestock	2	4	3
19114	Assist with handling and treatment of livestock	2	6	3
19115	Handle and move livestock	3	6	3
19116	Demonstrate knowledge of livestock behaviour and welfare in a primary industry operation	2	3	4
19152	Assist with the preparation and handling of lambs for docking	2	2	3
24548	Assist with milking	2	8	2
24630	Assist with livestock grazing management, and feed livestock under direct supervision	2	4	4
24822	Install wooden battens for fencing	2	4	2
24832	Open and draw out a coil of wire, tie knots, join wire, and prepare wire for transport and storage	2	5	2
24833	Identify and maintain fencing tools and equipment, and identify fencing construction materials and wire types	2	3	2
24834	Replace a broken post, and repair a broken wire in fences	2	5	2
24836	Describe nonelectric fences, fence support materials, and safe practices in fencing	2	2	3
26417	Assist with handling cattle in yards	2	2	2
30211	Dag and ring crutch sheep with prepared equipment	2	5	1
30213	Dag and crutch sheep with prepared equipment	2	7	1

## Horticulture

Unit No.	Unit Title	Level	Credits	Version
2765	Plant trees or shrubs under close supervision	2	5	6
20570	Demonstrate knowledge of nursery growing media	2	5	3
21027	Plant and maintain displays of bedding plants or bulbs or herbaceous perennials under close supervision	2	10	4
21212	Harvest a horticulture crop by hand under close supervision	2	5	3
21556	Control weeds under supervision	2	2	3
22174	Demonstrate knowledge of soils and fertilisers	2	5	2
22175	Describe soil properties and their effect on plant growth	3	6	2
22179	Maintain a hydroponic system and plants in the system	3	5	2
22186	Prepare equipment, and harvest a horticulture crop by hand	2	5	5
22191	Demonstrate knowledge of factors which influence plant growth	2	5	2
23355	Grade produce to a pre-determined criteria	3	10	2
23359	Maintain hygiene to ensure food safety in a horticulture workplace	2	5	2
23781	Grow and pot up plants from stem cuttings	2	5	5
24615	Check and report on crop health and stages of development under close supervision	2	5	2
27208	Identify and describe plant pests, diseases, and disorders, and methods of prevention and control	3	8	1
29492	Care for a nursery crop under close supervision	2	5	2
29493	Carry out basic canopy maintenance of trees or vines under close supervision	2	5	1
29495	Control weeds by physical means using appropriate equipment under close supervision	2	2	1
29497	Hand prune fruit trees under close supervision	2	8	1
29498	Hand thin buds, flowers, or fruit under close supervision	2	3	1
29499	Identify a range of plants by botanical and common name, and their basic features	2	2	1
29500	Pack graded produce and close containers	2	5	1
29502	Plant out by hand under close supervision	2	5	1
29504	Prick-out seedlings or rooted cuttings, transplant, and pot-on young plants into containers under close supervision	2	4	1
29506	Propagate plants by cuttings under close supervision	2	5	1
29507	Pull out the crop and clean the greenhouse for crop change, and set up the new crop under close supervision	2	5	1
29508	Sow seeds and monitor germination and emergence under close supervision	2	5	1
29512	Train and prune mature vines under close supervision	2	8	1
29513	Train and prune young vines under close supervision	2	5	1
29826	Create and maintain garden retail displays	2	5	1

## Arboriculture

Unit No.	Unit Title	Level	Credits	Version
29658	Assist with general arboriculture duties under close supervision	2	10	1
31186	Demonstrate knowledge of Codes of Practice and guidelines for arboriculture	3	2	1

## Landscaping

Unit No.	Unit Title	Level	Credits	Version
29661	Assist with site preparation and laying hard surfaces for landscape work under close supervision	2	5	1
29665	Clear a site in preparation for landscape work under close supervision	2	5	1
29668	Prepare mortar or concrete on-site for hard landscape work under close supervision	2	2	1
29669	Use small machinery to carry out a range of routine horticulture tasks under close supervision	2	5	1
31076	Operate and maintain power tools and small machinery used in landscape work	3	8	1

## Arable Farming

Unit No.	Unit Title	Level	Credits	Version
19070	Harvest cash crops under supervision	3	5	3
29845	Support mechanical crop harvesting	3	6	1

## Sports Turf

Unit No.	Unit Title	Level	Credits	Version
20533	Select and prepare specialist mower types, mow turf areas and complete post mowing requirements	3	10	4

## Apiculture

Unit No.	Unit Title	Level	Credits	Version
25894	Extract honey	3	4	3
30843	Identify and describe beekeeping equipment, construct and repair beehives	3	5	2
31195	Describe and apply operating procedures and the code of conduct to a work role in a primary industry organisation	3	5	1

## Te Whakamahi Whenua

Unit No.	Unit Title	Level	Credits	Version
15975	Demonstrate knowledge of traditional insecticides and fungicides used by Māori	2	2	4
15980	Demonstrate knowledge of te whānau marama	2	2	4
25469	Describe crop propagation in accordance with local tikanga	2	4	3
25471	Describe the cultivation of crops in accordance with local tikanga	2	4	3
25474	Describe the harvesting of crops in accordance with local tikanga	2	4	3
25476	Describe crop storage practices in accordance with local tikanga	2	3	3

## Primary Sector

Unit No.	Unit Title	Level	Credits	Version
4	Maintain hand tools and service small engines used in a primary industry operation	2	5	6
497	Demonstrate knowledge of workplace health and safety requirements	1	3	9
19138	Describe weather, climate and micro-climate characteristics, and interpret weather maps for a primary industry operation	2	4	3
19145	Describe hydration, nutrition, and sleep in relation to physical well-being of primary industry workers	2	4	3
27927	Apply health, safety and security practices to service delivery operations	3	5	1
29414	Describe and use a GPS for a specified rural activity	3	2	2
29633	Demonstrate understanding of the New Zealand primary sectors and industries	2	4	1
31656	Demonstrate knowledge of safe work practices in a primary industry operation	2	10	1
31657	Describe water supply system components and tools, and assemble a simple water supply system	2	3	1
31666	Apply knowledge of seasonal employment requirements and workplace expectations in a primary industry context	2	5	1

## Pest Eradication

Unit No.	Unit Title	Level	Credits	Version
29335	Demonstrate understanding of rural pest animal operations in NZ	3	8	2
29336	DKO the purpose and impacts of rural pest and animal operations	3	3	2
29538	Demonstrate understanding of the impacts of pest plants and pest plant operations in NZ	3	3	2

## Seafood

Unit No.	Unit Title	Level	Credits	Version
15884	Demonstrate knowledge of the characteristics of bivalve molluscan shellfish quality	2	2	5
16340	Demonstrate knowledge of the biology of the greenshell mussel	3	5	5
16559	Describe responsibilities of a seafood worker under the fisheries act	2	5	5
16673	Demonstrate knowledge of the biology of oysters	3	5	5
17253	Demonstrate knowledge of the biology of an abalone	3	5	5
19851	Demonstrate knowledge of the biology of a fin fish	3	5	4
20305	Demonstrate knowledge of the biology of a sea urchin	3	5	4
20306	Demonstrate knowledge of the biology of a species of aquatic crustacean	3	5	4
20935	Describe the Quota Management system in NZ	2	5	4
22804	Demonstrate knowledge of the regulatory programme assuring safety of commercial bivalve shellfish at harvesting	3	5	3



# Gateway 2022 programme

In order to assist with Unit Standard selection, industry specific suggestions are listed below. Additional unit standards are available within the programme.

## General Farming/Livestock Handling Suggestions

Unit Standard	Level	Credits	Description
497	1	3	Demonstrate knowledge of workplace health and safety requirements
19145	2	4	Describe hydration, nutrition, and sleep in relation to physical well-being of primary industry workers
19138	2	4	Describe weather, climate and micro-climate characteristics and interpret weather maps for a primary industry operation
19112	2	4	Check and report on livestock
19114	2	6	Assist with handling and treatment of livestock
19115	3	6	Handle and Move livestock - <i>Moving a herd or mob plus catch restrain and lift livestock on three occasions on three different days – can be the same herd</i>
19116	2	3	Demonstrate knowledge of livestock behaviour and welfare in a primary industry operation
31656	2	10	Demonstrate knowledge of safe work practices in a primary industry operation
31657	2	5	Describe water components and tools and assemble a simple water supply system
31666	2	5	Apply knowledge of seasonal employment requirements and workplace expectations in a primary industry context

## Sheep Suggestions

Unit Standard	Level	Credits	Description
19152	2	2	Assist with the preparation and handling of lambs for docking <i>Must carry out docking on 2 separate occasions with 10 different animals</i>
30211	2	5	Dag and ring crutch sheep with prepared equipment <i>Dag a minimum of 50 sheep Crutch a minimum of 50 sheep</i>
30213	2	7	Dag and crutch sheep with prepared equipment <i>Work on 3 separate days</i> <i>Dag 40 sheep each day for three days</i> <i>5x sheep half belly in 30 minutes on Day 1</i> <i>5x sheep full belly in 30 minutes on Day 2</i> <i>10x sheep full crutch in 30 minutes on Day 3</i> <i>Dagged at least 40 sheep per day for 3 days with 100% accuracy</i>
31656	2	10	Demonstrate knowledge of safe work practices in a primary industry operation

## Dairy Suggestions

Unit Standard	Level	Credits	Description
561	2	2	Install, dismantle, and store temporary electric fences
18191	2	3	Demonstrate knowledge of safe handling and health problems of dairy cattle associated with milking
24630	2	4	Assist with livestock grazing management, and feed livestock under direct supervision
26417	2	2	Assist with handling cattle in yards <i>Moving cattle into and out of yards/moving cattle through a race/restraining cattle using a back bar, hock bar or nose restraint/loading cattle onto a truck/unloading cattle from a truck</i>
19074	2	5	Prepare for calving and calve a cow as directed <i>1 season calving including checking on stock 10 days in a row</i>
24548	2	8	Assist with milking - <i>No less than 30 milkings must be completed</i>

## Agricultural Contracting/Arable Framing Suggestions

Unit Standard	Level	Credits	Description
4	2	5	Maintain hand tools and service small engines used in a primary industry operation
24615	2	5	Check and report on crop health and stages of development under close supervision
19070	3	5	Harvest cash crops under supervision
29845	3	6	Support mechanical crop harvesting

## Fencing Suggestions - Units marked in blue form the basis of Limited Package ITO Certificate

Unit Standard	Level	Credits	Description
561	2	2	Install, dismantle, and store temporary electric fences
24822	2	4	Install wooden battens for fencing
24832	2	5	Open and draw out a coil of wire, tie knots, join wire, and prepare wire for transport and storage
24833	2	3	Identify and maintain fencing tools and equipment, and identify fencing construction materials and wire types
24834	2	5	Replace a broken post, and repair a broken wire in fences
24836	2	2	Describe nonelectric fences, fence support materials, and safe practices in fencing
31656	2	10	Demonstrate knowledge of safe work practices in a primary industry operation
37	3	6	Install fencing wire
572	3	5	Describe electric fencing components and systems

## Pest Eradication Suggestions

Unit Standard	Level	Credits	Description
19145	2	4	Describe hydration, nutrition, and sleep in relation to physical well-being of primary industry workers
19138	2	4	Describe weather, climate and micro-climate characteristics, and interpret weather maps for a primary industry operation
29414	3	2	Describe and use a GPS for a specified rural activity
29335	3	8	Demonstrate understanding of rural pest animal operations in NZ
29336	3	3	Demonstrate the purpose and impacts of rural pest and animal operations
29538	3	3	Demonstrate understanding of the impact of pest plants and pest plant operations in NZ
31656	2	10	Demonstrate knowledge of safe work practices in a primary industry operation

## Horticulture Suggestions

29499 will take time throughout the year

29508/29502/24615 and 29495 all go together – grow/plant/weed/monitor - **19 Credits in total**

29499 and 24615 contain good theory to commence **(purchase together)**

29508 29502 29495 **(purchase together)**

Unit Standard	Level	Credits	Description
2765	2	5	Plant trees or shrubs under close supervision
20570	2	5	Demonstrate knowledge of nursery growing media
21556	2	2	Control weeds under supervision
22174	2	5	Demonstrate knowledge of soils and fertilisers
22191	2	5	Demonstrate knowledge of factors which influence plant growth
23781	2	5	Grow and pot up plants from stem cuttings
29499	2	2	Identify a range of plants by botanical and common name, and their basic features
29508	2	5	Sow seeds and monitor germination and emergence under close supervision
29492	2	5	Care for a nursery crop under close supervision
29495	2	2	Control weeds by physical means using appropriate equipment under close supervision
29502	2	5	Plant out by hand under close supervision
29504	2	4	Prick out seedlings or root cuttings, transplant and pot on young plants into containers under close supervision
29506	2	5	Propagate plants by cuttings under close supervision
31656	2	10	Demonstrate knowledge of safe work practices in a primary industry operation
22175	3	6	Describe soil properties and their effect on plant growth
27208	3	8	Identify and describe plant pests, diseases and disorders and methods for prevention and control

## Production Horticulture

Unit Standard	Level	Credits	Description
23359	2	5	Maintain hygiene to ensure food safety in a horticulture workplace <i>Work Log – 2 occasions of maintaining food safety- with photographs</i>
22186	2	5	Prepare equipment and harvest a horticultural crop by hand
24615	2	5	Check and report on crop health and stages of development under close supervision
24615	2	5	Check and report on crop health and stages of development under close supervision
29500	2	5	Pack graded produce and close containers
29507	2	5	Pull out crop and clean greenhouse for crop change and set up new crop under close supervision
22179	3	5	Maintain a hydroponic system and plants in the system
23355	3	10	Grade produce to a pre-determined criteria

## Garden Centre Suggestions

Unit Standard	Level	Credits	Description
27927	3	5	Apply health, safety and security practices to service delivery operations
29826	3	5	Create and maintain garden retail displays

## Sports Turf Suggestions

Unit Standard	Level	Credits	Description
497	1	3	Demonstrate knowledge of workplace health and safety requirements
19145	2	4	Describe hydration, nutrition, and sleep in relation to physical well-being of primary industry workers
19138	2	4	Describe weather, climate and micro-climate characteristics and interpret weather maps for a primary industry operation
20533	3	10	Select and prepare specialist mower types, mow turf areas and complete post mowing requirements
31656	2	10	Demonstrate knowledge of safe work practices in a primary industry operation

## Vineyard Suggestions

Unit Standard	Level	Credits	Description
497	1	3	Demonstrate knowledge of workplace health and safety requirements
19145	2	4	Describe hydration, nutrition, and sleep in relation to physical well-being of primary industry workers
19138	2	4	Describe weather, climate and micro-climate characteristics, and interpret weather maps for a primary industry operation
21212	2	5	Harvest a horticulture crop by hand under close supervision
29495	2	2	Control weeds by physical means using appropriate equipment under close supervision
29512	2	8	Train and prune mature vines under close supervision
29513	2	5	Train and prune young vines under close supervision
31656	2	10	Demonstrate knowledge of safe work practices in a primary industry operation

## Arboriculture Suggestions

Unit Standard	Level	Credits	Description
497	1	3	Demonstrate knowledge of workplace health and safety requirements
19145	2	4	Describe hydration, nutrition, and sleep in relation to physical well-being of primary industry workers
19138	2	4	Describe weather, climate and micro-climate characteristics, and interpret weather maps for a primary industry operation
4	2	5	Maintain hand tools and service small engines used in a primary industry operation
2765	2	5	Plant trees or shrubs under close supervision
29658	2	10	Assist with general arboriculture duties under close supervision
29669	2	5	Use small machinery to carry out a range of routine horticulture tasks under close supervision
29499	2	2	Identify a range of plants by botanical and common name, and their basic features
31656	2	10	Demonstrate knowledge of safe work practices in a primary industry operation
31076	3	8	Operate and maintain power tools and small machinery used in landscape work

## Landscaping Suggestions

Unit Standard	Level	Credits	Description
4	2	5	Maintain hand tools and service small engines used in a primary industry operation
2765	2	5	Plant trees or shrubs under close supervision
29499	2	2	Identify a range of plants by botanical and common name, and their basic features
29502	2	5	Plant out by hand under close supervision
29661	2	5	Assist with site preparation and laying hard surfaces for landscape work under close supervision
29665	2	5	Clear a site in preparation for landscape work under close supervision
29668	2	2	Prepare mortar or concrete on-site for hard landscape work under close supervision
29669	2	5	Use small machinery to carry out a range of routine horticulture tasks under close supervision
31656	2	10	Demonstrate knowledge of safe work practices in a primary industry operation
31076	3	2	Demonstrate knowledge of Codes of Practice and guidelines for arboriculture ( <i>part of the Apprenticeship programme</i> )

# Gateway Enrolment Form

## Student Information

First Name(s)

Middle name:

Surname:

Preferred name:

Gender

Male  Female

Date of birth: (DD/MM/YYYY)

 /  / 

NSN number:

Student year level:

### Driver's license status

None  Learners  Restricted  Full

## Ethnicity

Which ethnic group do you belong to? You may tick up to three boxes that apply to you.

NZ European/Pākeha  NZ Māori  Pasifika  Other please specify

If you identified as Māori, with which Iwi do you identify? You may enter more than one Iwi.

Where is your Rohe? (*Iwi location in New Zealand*)

Is English your first language?

Yes  No

Will a reader or writer be required?

Yes  No

Enrolment date: (DD/MM/YYYY)

 /  / 

## School Information

School name:

School contact name:

Contact email:

Contact number:

Street Address:

City/town:

Postcode:

### Unit Standards should be sent for marking to:

Gateway Coordinator  
PO Box 15  
Owaka 9535



