



**TRAINING**  
FOR INDUSTRY  
CHALLENGE YOUR FUTURE | WHAKAAEHIA TO WERO

# NEXT GENERATION

## 2020 Secondary School Provision

Delivering programmes of study in:



Agriculture  
Animal Care  
Construction Trades

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**Please note:** *This booklet was accurate at the time of printing. There may be some minor changes to programme offerings before programme commencement.*

# Introduction

NEXT GENERATION are Ag Challenge's secondary-tertiary programme offerings.

- Trades Academy
- STAR
- Gateway
- Short Courses (Tailor-made)

These programmes are a link between secondary school and tertiary study. We work with secondary schools, trainers and industry to help students identify career pathways and explore further opportunities for study and training.

## Is it for our School?

If your students are Year 11 to 13 and focused, committed and keen to work in an agriculture, animal care or construction environment then yes, this is for you!

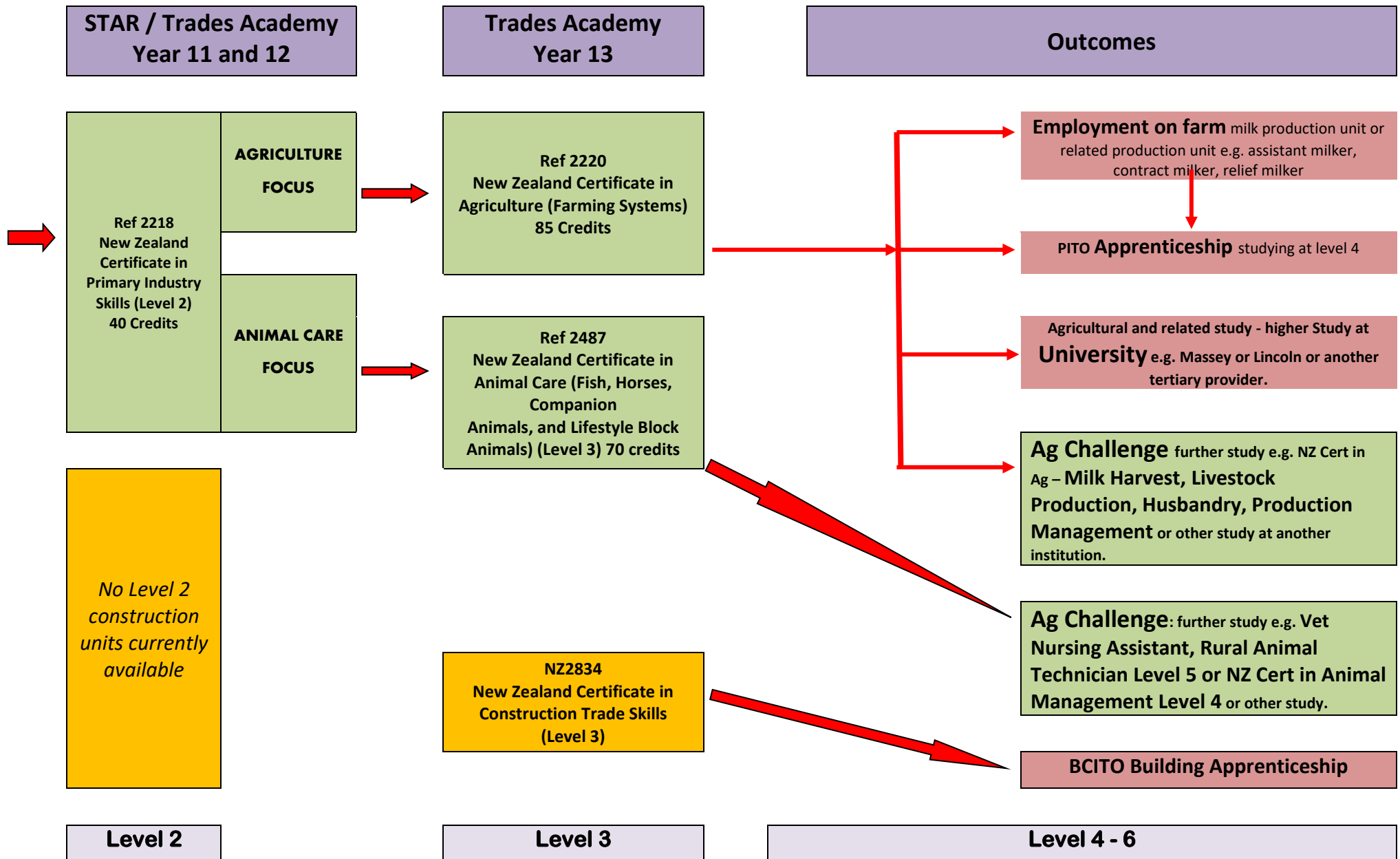
## What does it cost?

- Trades Academy courses are funded through the Ministry of Education. This funding is split depending on how many days per week students are studying between school and tertiary. Total costs will be detailed in the MoU.
- STAR courses are based on a per day rate which is \$110 per day per student (incl GST)
- Gateway courses are based on a per credit price which can be found on page 18

## What are the benefits?

- Gain credits towards NCEA while studying in a tertiary environment
- More choices for students to include vocational pathways in their study options
- Experience the outside world but maintain the security of school
- Short courses can be tailor-made to suit your students' requirements
- Get a head start on a career while still at school
- Free transport
- Gain work experience and become work-ready

## NEXT GENERATION: Vocational Pathways: Secondary Schools



# STAR (Secondary Tertiary Alignment Resource)

## Introduction to STAR

STAR programmes are short, taster-style classes that help students explore career options and make informed decisions about their future schooling, work or study.

## Who is it designed for?

Year 11 students, but Year 12 and 13 students are also welcome

## What are the benefits?

- Easily try out a possible career and provide options for Vocational Pathways
- Experience a tertiary learning environment while still at school
- Get practical, hands-on, work-based experience
- Gain NCEA credits
- 20 credit programmes available

## More information

Secondary Schools administer this funding. Schools engage Ag Challenge to provide training and education to their students under a Memorandum of Understanding (MOU) for specific programmes or unit standards.

The objectives of STAR are to:

- ✓ provide flexible funding for courses which will better respond to students' needs, motivate them to achieve, and facilitate their smooth transition to further education, training or employment
- ✓ support students to explore career pathways and help them make informed decisions about their schooling and future work or study.

# Trades Academy

## Introduction to Trades Academy

Trades Academy students study at least one day a week over three to four terms and gain NCEA credits. The learning takes place in a practical and hands-on environment using industry standard equipment and technology relevant to your chosen career path. Students develop the foundation skills needed to progress to further study opportunities or move directly into employment.

## Who is it designed for?

Secondary school students in Years 11 to 13.

## What are the benefits?

- Get a head start on a career while still at school
- Gain credits towards NCEA
- Gain experience of the outside world while still at school
- Get a fees-free tertiary education
- Enjoy free transport
- Study at Ag Challenge 1 to 2 days per week (depending on the programme)
- Gain work experience
- Become work-ready and employable!

## More information

Ag Challenge has joined with the National Trades Academy (NTA) who are a Tertiary Education Organisation based in Christchurch. NTA are a Lead Provider in Trades Academy and have contracted Ag Challenge to deliver their North Island provision.



# Vocational Pathways

The Vocational Pathways provide new ways to achieve NCEA Levels 1, 2 and 3 and develop pathways that progress to further study, training and employment. Achieving NCEA Level 2 is the foundation for success in further education and the world of work. Level 3 builds upon this through shared opportunities across school, tertiary, and industry training. The Vocational Pathways provide a framework for students to show how their learning and achievement is valued in the workplace by aligning learning to the skills needed for industry.

## The six Vocational Pathways are:

- Primary Industries
- Services Industries
- Social & Community Services
- Manufacturing & Technology
- Construction & Infrastructure
- Creative Industries



NCEA Levels 1 and 2 Vocational Pathways were launched in 2013. This was a result of government agencies, the industry training sector, secondary and tertiary representatives and industry and employer representatives working together. In 2015 NCEA Level 3 Vocational Pathways were also released.

Our STAR and Trades Academy programmes have been linked to the Vocational Pathways, so you know that your students are studying credits towards a Vocational Pathway.

To find out more, please visit <http://youthguarantee.net.nz/vocational-pathways/>

## Animal Care: Levels 2 & 3 – One day per week programmes

### NEXT GENERATION: Equine Level 2 (One day per week)

Secondary School: Yr 11 & 12

For: Trades Academy & STAR

Unit Schedule	Unit Standard Title	V	L	Cr	VP
19945	Lunge a horse for exercise	2	2	4	✓
1660	Identify, catch and prepare a horse for exercise	5	2	4	✓
29167	Prepare a horse for travel and load and unload under close supervision	1	2	4	✓
29168	Care for a group of horses in a paddock, and maintain paddocks under close supervision	1	2	10	✓
				<b>Total Credits</b>	<b>22</b>

#### Features

- 1 day per week for approximately 30 sessions per year
- Students gain **22 credits per year**
- 6 hours per day (session)

### NEXT GENERATION: Equine Level 3 (One day per week)

Secondary School: Yr 13

For: Trades Academy & STAR

Unit Schedule	Unit Standard Title	V	L	Cr	VP
6622	Analyse horse feed and stable horses	5	3	4	-
1651	Recognise signs of good health, ill health, common ailments and lameness in horses	5	3	8	-
18	Demonstrate knowledge of animal anatomy and physiology	6	3	4	-
19540	Demonstrate knowledge of basic animal husbandry	2	3	5	-
				<b>Total Credits</b>	<b>21</b>

#### Features

- 1 day per week for approximately 30 sessions per year
- Students gain **21 credits per year**
- 6 hours per day (session)

**Units are gained towards the NZ Certificate in Animal Care (Level 3) NZ2487**



## Agriculture: Level 2 – One & two day per week programmes

### NEXT GENERATION: Agriculture Level 2 (One day per week)

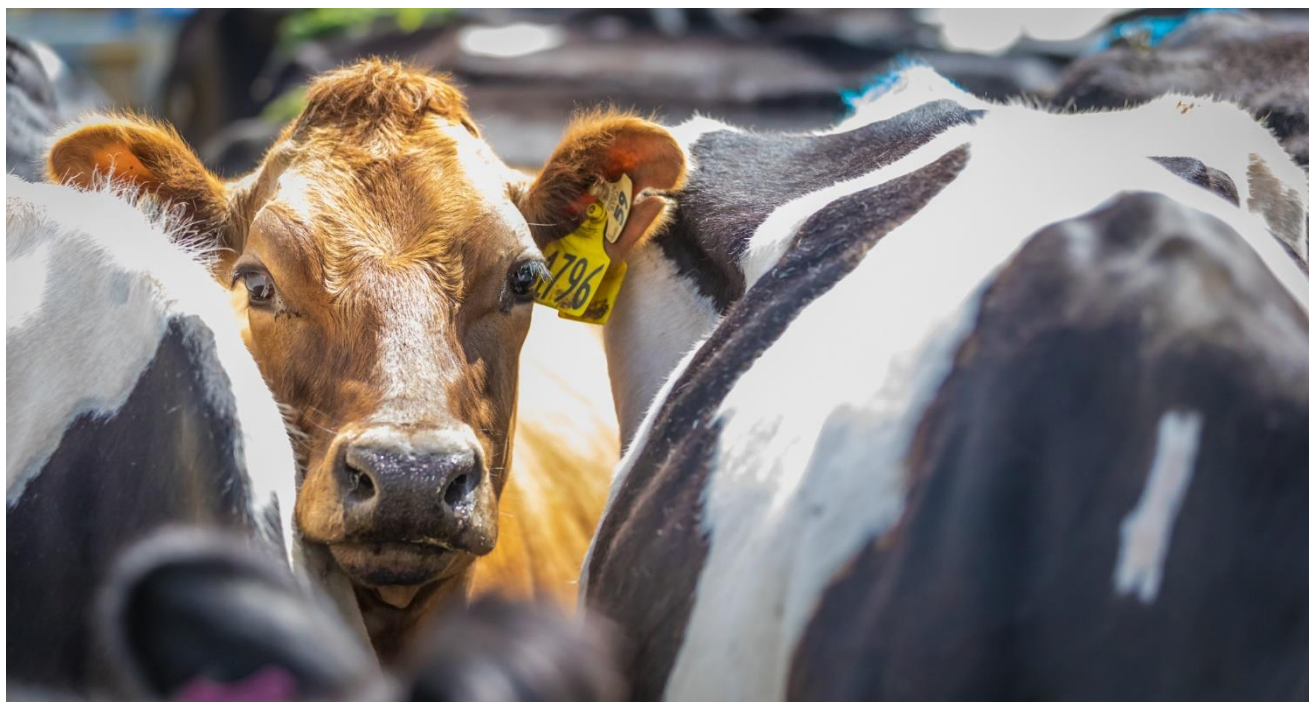
Secondary School: Yr 11 & 12

For: Trades Academy & STAR

Unit Schedule	Unit Standard Title	V	L	Cr	VP
23540	Demonstrate knowledge of hazards, hazard control, and the consequences of injury in a rural workplace	1	2	5	✓
24832	Open and draw out a coil of wire, tie knots, join wire, and prepare wire for transport and storage	1	2	5	✓
19106	Assist with handling livestock when moving and drafting, and when livestock are distressed	2	2	4	✓
19112	Check and report on livestock	2	2	4	✓
26417	Assist with handling cattle in yards	1	2	2	✓
24555	Demonstrate knowledge of the safe operation of a motorcycle	2	2	3	✓
Total Credits				23	

#### Features

- 1 day per week for approximately 30 sessions per year
- Students gain **20 credits per year minimum, and extra if chosen**
- 6 hours per day (session)



**NEXT GENERATION: Agriculture Level 2 (Two days per week)**  
**Secondary School: Yr 11 & 12**  
**For: Trades Academy & STAR**

Unit Schedule	Unit Standard Title	V	L	Cr	VP
23540	Demonstrate knowledge of hazards, hazard control, and the consequences of injury in a rural workplace	1	2	5	✓
24832	Open and draw out a coil of wire, tie knots, join wire, and prepare wire for transport and storage	1	2	5	✓
19106	Assist with handling livestock when moving and drafting, and when livestock are distressed	2	2	4	✓
19112	Check and report on livestock	2	2	4	✓
26417	Assist with handling cattle in yards	1	2	2	✓
23541	Locate hazards, describe safety procedures, and demonstrate safe work practices in a rural workplace	1	2	5	✓
561	Install, dismantle a store temporary electric fences	4	2	2	✓
24555	Demonstrate knowledge of the safe operation of a motorcycle	2	2	3	✓
19053	Ride a motorcycle on flat terrain	3	2	3	✓
577	Dag and crutch sheep with prepared equipment	6	2	5	✓
19116	Demonstrate knowledge of livestock behaviour and animal welfare	3	2	2	✓
<b>Total Credits</b>				<b>40</b>	

### Features

- 2 days per week for approximately 60 sessions per year
- Students gain **40 credits per year minimum, extra if chosen**
- 6 hours per day (session)

***Units are gained towards the NZ Certificate in Primary Industry (Level 2) NZ2218***



## Agriculture: Level 3 – One & two day per week programmes

### NEXT GENERATION: Agriculture Level 3 (One day per week)

Secondary School: Yr 13

For: Trades Academy & STAR

Unit Schedule	Unit Standard Title	V	L	Cr	VP
23542	Identify factors, and describe how to manage factors, that contribute to injury in a rural workplace	1	3	4	-
24638	Handle and treat sheep	2	3	6	-
578	Kill and prepare a sheep for dog food	4	3	5	-
24619	Handle and treat cattle	2	3	6	-
29297	Operate and maintain a chainsaw in a land-based context	1	3	8	-
24555	Demonstrate knowledge of the safe operation of a motorcycle	2	2	3	✓
Total Credits				32	

#### Features

- 1 day per week for approximately 30 sessions per year
- Students gain **20 credits per year minimum, extra if chosen**
- 6 hours per day (session)



**NEXT GENERATION: Agriculture Level 3 (Two days per week)****Secondary School: Yr 13****For: Trades Academy & STAR**

Unit Schedule	Unit Standard Title	V	L	Cr	VP
23542	Identify factors, and describe how to manage factors, that contribute to injury in a rural workplace	1	3	4	-
24638	Handle and treat sheep	2	3	6	-
578	Kill and prepare a sheep for dog food	4	3	5	-
24619	Handle and treat cattle	2	3	6	-
29297	Operate and maintain a chainsaw in a land-based context	1	3	8	-
19075	Demonstrate knowledge of calving, and associated diseases and health disorders	2	3	3	-
19149	Describe lambing, and the procedure for assisting ewes having difficulty lambing	2	3	4	-
571	Demonstrate knowledge of wool production	4	3	5	-
10082	Demonstrate knowledge of rearing weaner or replacement cattle	3	3	4	-
24555	Demonstrate knowledge of the safe operation of a motorcycle	2	2	3	V
<b>Total Credits</b>				<b>48</b>	

**Features**

- 2 days per week for approximately 60 sessions per year
- Students gain **40 credits per year minimum, extra if chosen**
- 6 hours per day (session)

***Units gained towards the NZ Certificate in Farming Systems (Level 3) NZ2220***



## Carpentry: Level 3 – One day per week programmes

### NEXT GENERATION: BCATS Level 3 (One day per week)

Secondary School: Yr 11, 12 & 13

For: Trades Academy & STAR

Unit Schedule	Unit Standard Title	V	L	Cr
29684	Undertake a Stage 3 BCATS project	1	3	12
29677	Follow safe workplace practices, and contribute to a health and safety culture, in a BCATS environment	1	3	2
29681	Measure and calculate for a Stage 3 BCATS project	1	3	3
29682	Select, use, and maintain tools, equipment and machinery for a Stage 3 BCATS project	1	3	4
Total for programme				21

### Features

- 1 day per week for approximately 30 sessions per year
- Students gain **21 credits per year**
- 6 hours per day (session)



## Carpentry: Level 3 – Two day per week programme

### NEXT GENERATION: BCATS Level 3 (Two days per week)

Secondary School: Yr 11, 12 & 13

For: Trades Academy & STAR

Unit Schedule	Unit Standard Title	V	L	Cr
29684	Undertake a Stage 3 BCATS project	1	3	12
29677	Follow safe workplace practices, and contribute to a health and safety culture, in a BCATS environment	1	3	2
29681	Measure and calculate for a Stage 3 BCATS project	1	3	3
29682	Select, use, and maintain tools, equipment and machinery for a Stage 3 BCATS project	1	3	4
29678	Demonstrate knowledge of, select, and use materials for a Stage 3 BCATS project	1	3	4
29679	Develop and use BCATS project documentation for a Stage 3 BCATS project	1	3	8
29680	Communicate and work collaboratively in a Stage 3 BCATS project	1	3	5
29683	Incorporate other building, construction and allied trades into a Stage 3 BCATS project schedule	1	3	2
Total for programme				40

### Features

- 2 day per week for approximately 60 sessions per year
- Students gain **40 credits per year**
- 6 hours per day (session)



# Gateway

## Introduction to Gateway

Gateway programmes are for students working towards NCEA Level 2 and 3. Gateway offers structured workplace learning opportunities. Ag Challenge delivers these courses via distance learning which means students work at their own pace and in their own environment.

## Who is it designed for?

Year 11 to 13 students

## Gateway students can study theory units in:

- Animal Care
- Agriculture
- Building and Construction

Units should be completed in conjunction with Gateway student work placements.

## Gateway Programme Units are charged at:

- |                                    |                    |
|------------------------------------|--------------------|
| • Agriculture                      | \$41.50 per credit |
| • Animal Care / Veterinary Nursing | \$41.50 per credit |
| • Building & Construction          | \$45.75 per credit |

*(All prices include GST)*

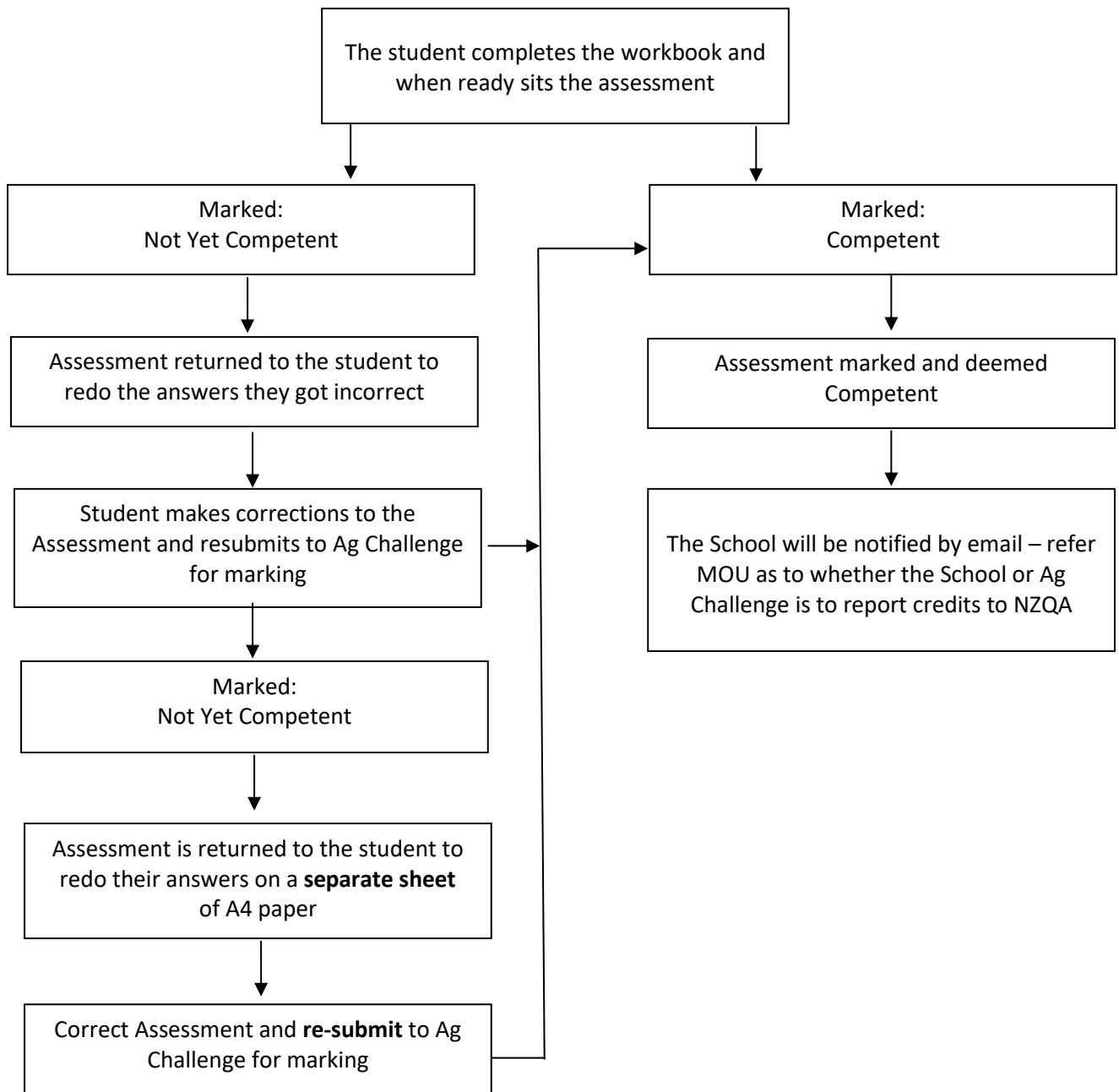
## Price includes:

- **Workbooks** (some units require additional research)
- **Assessments**
- **Projects/Case Study** (as required)
- **Notes** (as required)
- **All marking**
- **Postage**

All parts (i.e. Project/Case Study and Assessment) must be completed to **COMPETENT** level before an **ACHIEVED** result can be processed.



## How Gateway works...



**NOTE 1:** The students can only submit the Assessment for marking a maximum of THREE times. After that, the assessment is marked Not Competent and cannot be resubmitted

**NOTE 2:** For any Carpentry Units sent out, the workbook AND assessment must be submitted at the same time, due to assessing of oral questions.

**NEXT GENERATION: Agriculture**  
**Secondary School: Yr 11, 12 & 13**  
**For: Gateway**

Unit	Unit Standard Title	V	L	C		2020 Price
Price per credit						\$41.50
15	Describe the end use of crops and factors which affect crop yields and interpret seed quality.	5	2	2		\$83.00
18191	Demonstrate knowledge of safe handling and health problems of dairy cattle, associated with milking	3	2	3		\$124.50
18193	Demonstrate knowledge of farm dairy design, and the effluent system	3	2	2		\$83.00
19044	Describe the legal requirements and occupational hazards associated with tractor use	3	2	3		\$124.50
19116	Demonstrate knowledge of livestock behaviour and animal welfare	3	2	2		\$83.00
22174	Demonstrate knowledge of soils and fertilizers	1	2	5		\$207.50
23540	Demonstrate knowledge of hazards, hazard control, and the consequences of injury in a rural workplace	1	2	5		\$207.50
24836	Describe non-electric fences, fence support materials, and safe practices in fencing	2	2	2		\$83.00

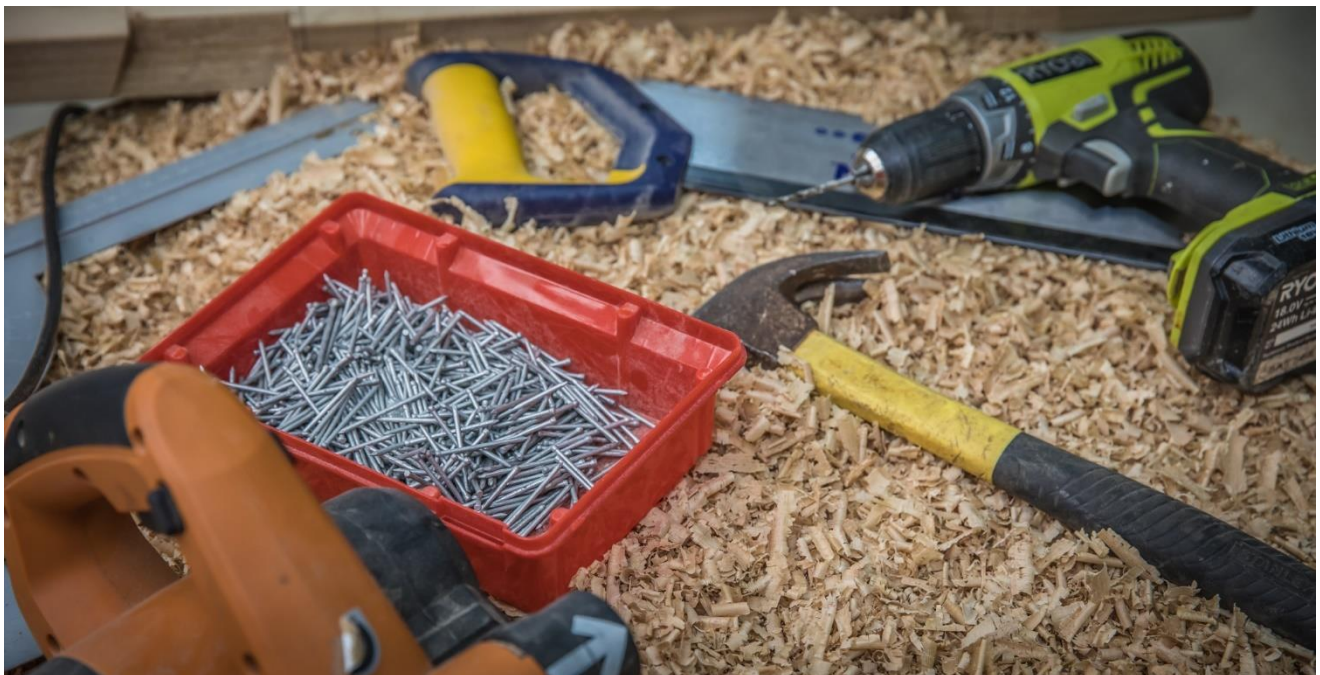
**NEXT GENERATION: Animal Technology**  
**Secondary School: Yr 11, 12 & 13**  
**For: Gateway**

Unit	Unit Standard Title	V	L	C		2020 Price
Price per credit						\$41.50
18	Demonstrate knowledge of animal anatomy and physiology	6	3	4		\$166.00
5165	Describe parturition and after care of companion animals	5	3	3		\$124.50
19116	Demonstrate knowledge of livestock behaviour and animal welfare	3	2	2		\$83.00
19894	Demonstrate Knowledge of Zoonoses and their control	2	3	3		\$124.50
19949	Equine Health - Identify basic components & functions, common problems of horses' body systems	2	2	3		\$124.50
21379	Demonstrate knowledge of requirements relating to transport of cats and dogs	2	2	2		\$83.00

**NEXT GENERATION: Building & Construction**  
**Secondary School: Yr 11, 12 & 13**  
**For: Gateway**

Unit	Unit Standard Title	V	L	C		2020 Price
Price per credit						\$45.75
29684	Undertake a Stage 3 BCATS project	1	3	12		\$549.00
29677	Follow safe workplace practices, and contribute to a health and safety culture, in a BCATS environment	1	3	2		\$91.50
29681	Measure and calculate for a Stage 3 BCATS project	1	3	3		\$137.25
29682	Select, use, and maintain tools, equipment and machinery for a Stage 3 BCATS project	1	3	4		\$183.00
29678	Demonstrate knowledge of, select, and use materials for a Stage 3 BCATS project	1	3	4		\$183.00
29679	Develop and use BCATS project documentation for a Stage 3 BCATS project	1	3	8		\$366.00
29680	Communicate and work collaboratively in a Stage 3 BCATS project	1	3	5		\$228.75
29683	Incorporate other building, construction and allied trades into a Stage 3 BCATS project schedule	1	3	2		\$91.59

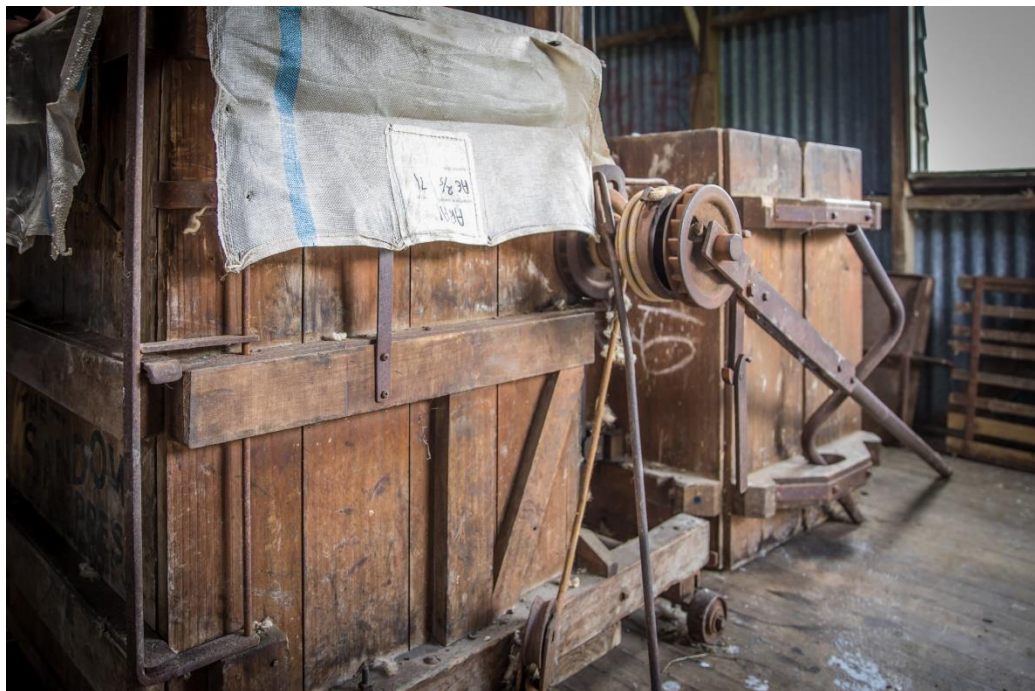
Please Note: These BCATS units have been expressly written for learners in **supervised carpentry, practical environments.**



# Students finishing School and not sure what to do ...

Ag Challenge offers a number of trades programmes which students can pathway onto from school, these include:

- Vocational Pathway – Infrastructure and Construction (Level 2) (BCATS)
- New Zealand Certificate in Trade Skills (Level 3)
  - Painting and Decorating
  - Carpentry
- New Zealand Certificate in Animal Care (Level 3)
  - Companion Animals
  - Equine
- New Zealand Certificate in Animal Technology (Level 5)
  - Vet Nursing
  - Rural Animal Technology
- New Zealand Certificate in Primary Industry Skills (Level 2)
- New Zealand Certificate in Agriculture (Level 3)
  - Vehicles, Machinery and Infrastructure and Farming Systems
  - Milk Harvesting



**Talk to us for more information, we would love to hear from you!**

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