



Dalby State High School

*Signature Programs
Handbook*

2025-2026

Nicholson Campus

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From the Principal

Dalby State High School offers two Signature Programs for study in Years 11 and 12. These programs enable students to undertake vocational training in Trade and Agriculture through practical learning environments. These programs align real world learning opportunities with assigned mentoring placements in local businesses of their chosen fields.

Trade Futures and Innovate Ag offer students the opportunity to start their post-school careers in their chosen fields in Year 11 in state-of-the-art facilities and through engagement with contemporary and industry driven training.

Dr Dean Russell

Principal

Student Resource Scheme & Uniforms

Due to the significantly high resource and training costs associated with these programs, students enrolled in the Signature Programs must be members of the Student Resource Scheme and pay the applicable annual fees to ensure ongoing participation. More information about the Student Resource Scheme can be found in the applicable SRS booklets or on the school website at <https://dalbyshs.eq.edu.au/enrolments/resource-scheme> .

Workplace Health and Safety Uniform (VET: Vocational Education & Training Students) Trade Futures	<ul style="list-style-type: none">• Boots, steel capped• Long sleeve cotton drill button up shirt (Yellow on blue) with embroidered DSHS logo on front• Blue cotton drill pants• Students not studying VET subjects in whole day delivery mode must change prior to, and at the end, of each lesson
Workplace Health and Safety Uniform (VET: Vocational Education & Training Students) Innovate Ag	<ul style="list-style-type: none">• Boots, steel capped• Long sleeve cotton drill button up shirt (navy) with embroidered DSHS logo on front• Blue jeans• Students not studying VET subjects in whole day delivery mode must change prior to, and at the end, of each lesson• Students studying Agricultural subjects in Senior Secondary are permitted to wear an Akubra, or broadbrimmed hat, for their scheduled agriculture lessons only

*** Logo embroidery is available at Golders Dalby and Creative Embroidery Dalby*

Application process

Entry into the Signature Programs for Dalby State High School students is through an application, shortlisting and interview process involving a selection panel. The application form is included with this booklet. Applications close Friday 3pm on 16 August.

Innovate Ag

This program is designed for students wishing to enter the agricultural industry post schooling. This highly practical program allows students to access real world farming facilities and resources at Dalby High's Bunya Campus. Students undertaking the program are well placed to pursue successful careers in agriculture ranging from stock and station work through to broadacre cropping and livestock.

The Innovate Ag program can establish a basis for further education and employment in a range of fields and specific vocations including retail, station hand, horse trainer, forestry assistant, crop farmer, horticultural assistant, groundskeeper, poultry products inspector, jillaroo, jackaroo, meat inspector, greenkeeper, parks officer, piggery assistant or feedlot assistant.

The program is delivered by Dalby State High School in class, at our 360 hectare Bunya Campus training farm, our 115 hectare cattle property at Moola and in our award winning Trade Training Centre. Students will also participate in industry placement whilst studying Math and English

The program is a two year course of study and includes the following:

- ◆ Essential Maths
- ◆ Essential English
- ◆ Agricultural Practices
- ◆ Cert III Agriculture (AHC30116)
- ◆ Cert II Engineering Pathways (MEM20413, external RTO Formula Student)

Students are able to participate in a range of extra curricular activities within the Agricultural faculty at Dalby State High School. These activities include the Show Cattle Team, Sheep Show Team and Agricultural Display Team. Within these teams, students are exposed to a range of skills and knowledge in regards to animal husbandry, livestock handling and public speaking. Dalby State High School has achieved much success in these teams with the Show Cattle Team taking out the 2018 Hoof and Hook Grand Champion and 2018 Royal Queensland Show Most Successful School.

Assessment

- Applied subjects – See Assessment information listed on specific subject pages in the Senior Subject Handbook.
- VET Certificate Courses – Ongoing competency-based assessment completed across Years 11 and 12, including practical and theoretical components.
- Students will be assessed on competencies such as First Aid, Sides by Sides and Quad Bikes via a third party throughout the duration of the course (subject to availability).



Certificate III Agriculture

VET Subject

VET

VET Course Code – AHC30116

This certificate is intended for people interested in exposure to an engineering or related working environment with a view to entering into employment in that area. This qualification will equip students with knowledge and skills, which will enhance their prospects of employment in an engineering or related working environment.

Course Content	Assessment Summary
<ul style="list-style-type: none">• AHCWHS301 Contribute to work health and safety processes• AHCWRK309 Apply environmentally sustainable work practices• AHCAGB301 Keep production records for a primary production business• AHCCHM307 Prepare and apply chemicals to control pest, weeds and diseases• AHCCHM304 Transport and store chemicals• AHCINF303 Plan and construct conventional fencing• AHCLSK301 Administer medication to livestock• AHCLSK308 Identify and draft livestock• AHCLSK309 Implement animal health control programs• AHCLSK209 Monitor water supplies• AHCLSK316 Prepare livestock for competition• AHCPMG301 Control weeds• AHCLSK204 Carry out regular livestock observation• AHCMOM202 Operate tractors• AHCSOL202 Assist with soil or growing media sampling and testing• AHCWRK302 Monitor weather conditions	<ul style="list-style-type: none">• Competency-based assessment involving practical project work.

Assessment

- VET Certificate Courses – Ongoing competency-based assessment completed across Years 11 & 12, including practical and theoretical components.

INNOVATE AG

LUCY HANSEN



INNOVATE AG GRADUATE HEADS NORTH



Special points of interest:

- 2020 Graduate
- Completed SBT with a Certificate III Agriculture
- Gained employment straight out of schooling with one of the countries largest family owned operations.



Lucy Hansen graduated from Dalby State High School in 2020 as a member of the Innovate Ag program. After completing her program, Lucy knew she had the skills and confidence to tackle a cattle station in remote North Queensland. Now at Normanton in the Gulf of Carpentaria as part of the MDH company, Lucy is working as a station hand where her daily tasks vary. Like most students, simple tasks they might find boring or monotonous are actually vital to ensuring the station runs smoothly. "I never thought I'd ever do fencing again after graduating, but up here on such a big property, those skills I learnt at school are now so important to ensuring the safety and security of our 20,000 head of cattle".

The highly practical program allowed Lucy to practice and hone her skills to then be able to apply in her current role. "Being in the Innovate Ag program helped me prepare for this job by providing relevant and practical skills that I could take to with me. This basic knowledge gave me a huge head start as a first year ringer".

Mentoring is a large component of the Innovate Ag program and allows students to work in industries where they can build networks and acquire essential skills that only a workplace can provide. Like many program participants, Lucy acquired a School Based Traineeship and used this opportunity through Elders Rural Services to enhance her skill set and to open up new opportunities. "Mentoring was a great way to merge work and school at the same time and I felt I had greater flexibility within my schooling which I think attributed to my success within the program".



Lucy is now about to move into Livestock agency where she can utilise her practical knowledge alongside her administration skills.

Lucy's advice to future Innovate Ag students is to give everything a go, try your best and make every available opportunity count as you never know what door ways may open for you.



Trade Futures

This program utilises the facilities of the state-of-the-art Trade Training Centre where students gather hands on experience in the fields of resources, engineering, manufacturing, automotive and construction.

Each student will have access to local industry mentors where they engage in regular work on site within our Industry Mentor Program. This program allows students to take their skills and apply them within a real industry environment. It also allows students to market their individual skills to potential employers on a regular basis.

The program is a two year course of study which includes the following:

- ◆ Essential Maths
- ◆ Essential English
- ◆ Industrial Graphics Skills
- ◆ Cert II Engineering Pathways (MEM20205, external RTO Formula Student) – Year 11 only
- ◆ Cert II Engineering (MEM20105) – Year 12 only
- ◆ Cert II Manufacturing Technology (MSM20216) - across 2 years
- ◆ And either (across 2 years)
 - ◆ Cert II Automotive Vocational Preparation (AUR20720, external RTO Formula Student)
 - ◆ Cert II Construction Pathway (CPC20220)

Assessment

- Applied subjects – See Assessment information listed on specific subject pages in the Senior Subject Handbook
- VET Certificate Courses – Ongoing competency-based assessment completed across Years 11 and 12, including practical and theoretical components

Certificate II in Manufacturing Technology

VET Subject

VET

VET Course Code – MSM20216

The MSM20216 Certificate II in Manufacturing Technology applies to a learning and assessment environment where access to normal production operations is not available. A typical environment will be for application in a VET in Schools delivery environment or other simulated or trial manufacturing environment where a high degree of supervision exists. The units are suitable for delivery in a school environment and for schools to contextualise the units to local manufacturing industry activities.

Structure

Course Content	Assessment Summary
<ul style="list-style-type: none">• MSACMS200A Apply competitive manufacturing practices• MSACMT231A Interpret product costs in terms of customer requirements• MSACMT251A Apply quality standards• MSACMT280A Undertake root cause analysis• MSAENV272B Participate in environmentally sustainable work practices• MSAPCII295A Operate manufacturing equipment• MSAPCII296A Make a small furniture item from timber• MSAPCII298A Make an object from metal• MSAPCII299A Make an object from plastic• MSAPMOHS200A Work safely• MSS402001A Apply competitive systems and practices• MSS402031A Interpret product costs in terms of customer requirements• MSS402051A Apply quality standards• MSS402080A Undertake root cause analysis	<ul style="list-style-type: none">• Competency based assessment• Training log books

Assessment

- VET Certificate Courses – Ongoing competency-based assessment completed across Years 11 & 12, including practical and theoretical components.

Certificate II in Automotive Vocational Preparation

VET Subject

VET

VET Course Code – AUR20720

This qualification reflects the role of individuals who perform a limited range of tasks relating to identifying and inspecting mechanical and electrical components and systems of light vehicles, heavy vehicles, outdoor power equipment, bicycles, marine craft and motorcycles. This qualification also covers the skills and knowledge required to perform minor maintenance and repair of an automotive vehicle body. The range of technical skills and knowledge is limited.

Structure

Course Content	Assessment Summary
<ul style="list-style-type: none">• AURAEA002 Follow environmental and sustainability best practice in an automotive workplace• AURAF103 Communicate effectively in an automotive workplace• AURAF104 Resolve routine problems in an automotive workplace• AURASA102 Follow safe working practices in an automotive workplace• AURETR103 Identify automotive electrical systems and components• AURLTA101 Identify automotive mechanical systems and components• AURTTK102 Use and maintain tools and equipment in an automotive workplace• MEMPE001A Use engineering workshop machines• MEMPE002A Use electric welding machines• AUMAF1001 Apply for jobs and undertake job interviews• AURTTA127 Carry out basic vehicle servicing operations• AURTTJ003 Remove and replace wheel and tyre assemblies	<ul style="list-style-type: none">• Competency-based assessment involving practical project work.

Assessment

- VET Certificate Courses – Ongoing competency-based assessment completed across Years 11 & 12, including practical and theoretical components.

Certificate II in Construction Pathways

VET Subject

VET

VET Course Code – CPC20220

This qualification provides a pathway to the primary trades in the construction industry with the exception of plumbing. Trade outcomes are predominantly achieved through an Australian Apprenticeship and this qualification allows for inclusion of skills suited for entry to off-site occupations, such as joinery as well as carpentry, bricklaying and other occupations in general construction.

This qualification is designed to introduce learners to the recognised trade callings in the construction industry and provide meaningful credit in a construction industry Australian Apprenticeship. The qualification has core unit of competency requirements that are required in most Certificate III qualifications. The elective options are structured to allow choice from areas of trade skills as an introduction to a range of occupations.

Structure

Course Content	Assessment Summary
<ul style="list-style-type: none">• CPCCOM1012 Work effectively and sustainably in the Construction Industry• CPCCOM1013 Plan and organise work• CPCCOM1015 Carry out measurements and calculations• CPCCVE1011* Undertake a basic construction project• CPCCWHS2001 Apply WHS requirements, policies and procedures in the Construction Industry• CPCCCA2002 Use carpentry tools and equipment• CPCCCA2011 Handle carpentry materials• CPCCCM1011 Undertake basic estimation and costing• CPCCCM2006 Apply basic levelling procedures• CPCCCO2013 Carry out concreting to simple forms	<ul style="list-style-type: none">• Competency-based assessment involving practical project work.

Assessment

- VET Certificate Courses – Ongoing competency-based assessment completed across Years 11 & 12, including practical and theoretical components.

Certificate II Engineering Pathways (Year 11 only)

VET Subject

VET

VET Course Code - MEM20205

This certificate is intended for people interested in exposure to an engineering or related working environment with a view to entering into employment in that area. This qualification will equip students with knowledge and skills, which will enhance their prospects of employment in an engineering or related working environment.

Structure

Course Content	Assessment Summary
<ul style="list-style-type: none">• MEM13014A Apply principles of occupational health and safety in the work environment• MEMPE005A Develop a career plan for the engineering and manufacturing industry• MEMPE006A Undertake a basic engineering project• MSAENZ272B Participate in environmentally sustainable work practices.• MEM16006A Organise and communicate information• MEM16008A Interact with computing technology• MEM18001C Use hand tools• MEM18002B Use power tools/ hand held operations• MEMPE001A Use engineering workshop machines• MEMPE002A Use electric welding machines• MEMPE003A Use oxy-acetylene and soldering equipment• MEMPE004A Use fabrication equipment• MSAPMSUP106A Work in a team	<ul style="list-style-type: none">• Competency-based assessment involving practical project work.

Assessment

- VET Certificate Courses – Ongoing competency-based assessment completed across Year 11, including practical and theoretical components.

Certificate II Engineering (Year 12 only)

VET Subject

VET

VET Course Code – MEM20105

This qualification covers the skills and knowledge required of workers employed as Engineering/manufacturing Employees -Level III as defined in the Manufacturing and Associated Industries and Occupations Award or in related industries where Engineering/ Manufacturing Employees work.

The qualification has been specifically developed to reflect the minimum training requirement specified in the Award for employment in the above occupation. The qualification packaging has been developed on an assumption that competency will be developed through a combination of on and off-the-job learning strategies such as those delivered through a formal traineeship. The qualification may also be achieved through formal skills recognition assessment processes.

Structure

Course Content	Assessment Summary
<ul style="list-style-type: none">• MEM03003B Perform sheet and plate assembly• MEM05004C Perform routine oxy acetylene welding• MEM05005B Carry out mechanical cutting• MEM05007C Perform manual heating and thermal cutting• MEM05012C Perform routine manual metal arc welding• MEM05050B Perform routine gas metal arc welding• MEM07032B Use workshop machines for basic operations• MEM09002B Interpret technical drawing• MEM11016B Order materials• MEM12023A Perform engineering measurements• MEM13014A Apply principles of occupational health and safety in the work environment• MEM14004A Plan to undertake a routine task• MEM15002A Apply quality systems• MEM15024A Apply quality procedures• MEM16007A Work with others in a manufacturing, engineering or related environment• MEM18001C Use hand tools• MEM18002B Use power tools/hand held operations	<ul style="list-style-type: none">• Competency-based assessment involving practical project work.

Assessment

- VET Certificate Courses – Ongoing competency-based assessment completed across Year 12, including practical and theoretical components.



TRADE GRADUATE STAYS LOCAL



Special points of interest:

- 2020 Graduate
- Completed SBA with a Certificate III Diesel Mechanic
- Went straight to fulltime in his apprenticeship with local business McIntosh and Son

CLASS



Growing up in the region, Tommy knew what he wanted to do when he finished High School. Tommy also knew that by completing the Trade Futures program he would be well prepared for a successful trade career. Like Innovate Ag, Trade Futures is a highly practical program that delivers industry ready graduates to the workforce with almost 90% of students entering into an apprenticeship or employment post secondary.

Throughout his Trade program, Tommy was successful in securing a School Based Apprenticeship as a Diesel Mechanic with local agricultural business McIntosh and Son. Already from the land, this meant he was then able to apply his skills he had acquired through his course and family experience into a more realistic work environment. This is something Tommy reckons is perhaps the best part of Trade Futures. "Getting out into industry and getting a feel for what the future ahead may look like really helped prepare me for my career".

"The mentoring program helped me to get my apprenticeship and by going to work and doing different things, I was then able to feel more comfortable with the knowledge I had gained".

Trade Futures offers students a diverse pathway into the manufacturing and construction sectors. Students undertake a range of vocational training courses that equip them with essential skills and knowledge to be futures orientated learners. With certificate courses in Engineering, Manufacturing and Construction, students are able to achieve their QCE as well as nationally recognised qualifications.



Tommy is now in his second year as an apprentice Diesel Mechanic and plans to complete his training locally with his employer. After completing his apprenticeship his long term goal is to enter the mining sector as a mechanic, something he knows the Trade program and his time at Dalby High has helped prepare him for.



Formula Student

Each year, the year 11 Innovate Ag and Trade Futures classes complete a Certificate II in Engineering Pathways culminating in the construction of petite Le Mans Formula Student cars with their new skills.

Completing the one year course is a challenge due to the intensive program delivered as a whole day lesson. It involves working through the multi-faceted complexities of the planning and build task, along with formulating the skills required to get the cars ready for race day.

Students attend the annual Formula Student race day at Lakeside Park in Brisbane where as many as 20 schools across the state compete. Our teams consistently perform well and are rewarded for their efforts with trophies recognising their hard work.

Special thanks go to our key sponsors who help make the program so successful – White Industries, Graham Winter's Smash Repairs, DSM and Colourstop.





Innovate Ag/Trade Futures Application Form

Student Name _____ **Roll Class** _____

Dalby State High's signature programs provide students with a practical pathway towards careers in both the Agriculture and Trade sectors. These programs both contain Vocational Training and require students to demonstrate competency across a range of training units. Students undertake a set course of study as outlined in the Year 11 Senior Handbook.

This application form will allow you to demonstrate your preparedness and commitment towards completion of the program and for the application panel to make informed judgements about your suitability.

Please return completed application to Mr David Schreiber at Nicholson Campus office by 3pm, Friday 16th August.

Program Preference (please number 1 for top preference).

Innovate Ag

Trade Futures

Why do you want to be considered for the Innovate Ag / Trade Futures Program?

What do you want to get out of the Innovate Ag/Trade Futures Program?

Do you have any current experience within the Agriculture or Trade sectors?

What is your idea of your dream job and how will these programs enable you to achieve this?

Are you currently employed? If so, where?

Please outline your personal strengths and weaknesses?

How do you plan to use your strengths and build on your weaknesses throughout the program?

What would you say are the biggest challenges you face as a student?

What would you say are the expectations within the program on your effort, behaviour and ability to follow instructions?

Explain how your current effort, behaviour and ability to follow instructions meets the above expectations?

Student Name _____ **Student Signature** 

Parent Name _____ **Parent Signature**  **Date**