

# COMPANION GUIDE AND ACTIVITIES

FOR CAREER ADVISERS AND EDUCATORS

**SKILLS AND  
THRILLS**



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Skills and Thrills Digital Showcase

# WELCOME

## AN OVERVIEW OF HOW TO USE THE DIGITAL STUDENTS SHOWCASE VIDEO

### What is the Skills and Thrills Digital Student Showcase video

The Skills and Thrills Digital Students Showcase is a 35-minute careers resource video available free to NSW high schools to share with students in years 7-12.

The video promotes vocational education and training pathways along with covering key topics including:

- Industry trends across NSW and Australia broadly for the next 5-15 years
- Impact on industry trends post Covid-19
- Apprenticeships
- Traineeships
- School Based Apprenticeships and Traineeships (SBATs)
- Opportunities in the vocational education and training sector (VET)
- How to connect your passion to a career
- Pathways from vocational training to university education



**Industry areas that are set to experience strong growth across NSW in the coming years feature throughout the film including:**

- |  |                             |
|--|-----------------------------|
| • Healthcare and social assistance     | • Retail                    |
| • Tourism and Hospitality              | • Creative                  |
| • Building and construction            | • Agriculture/ Agribusiness |
| • Transport, logistics and warehousing | • STEM and Digital          |
| • Mining and renewable energy          | • Defence                   |
| • Manufacturing                        |                             |

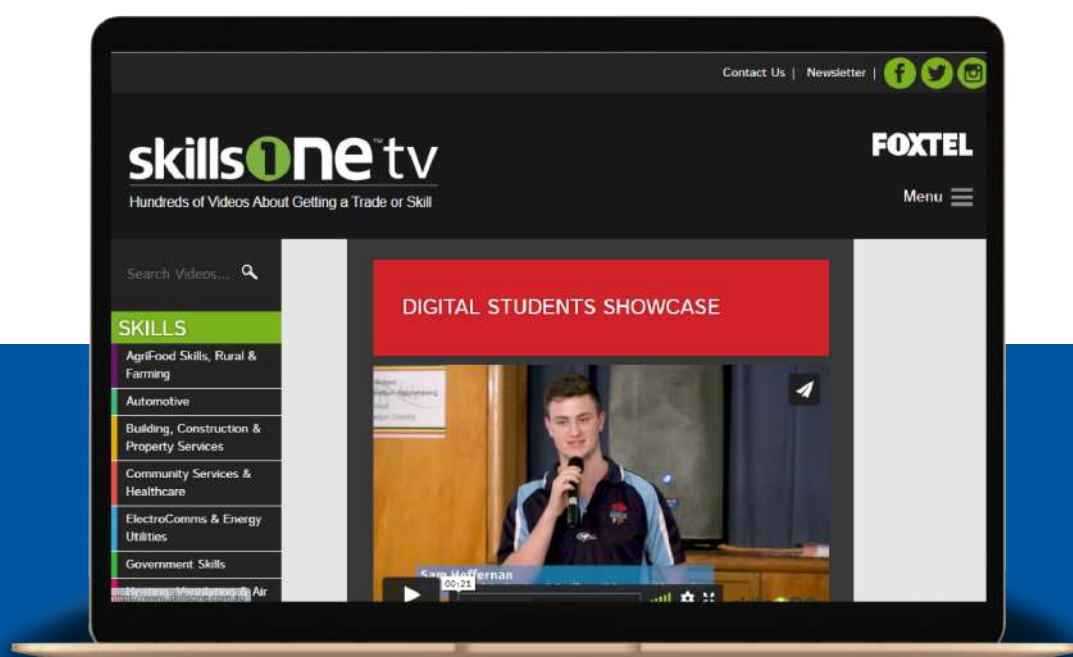


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# How to use the video

The Skills and Thrills Digital Students Showcase video is designed as an entertaining and engaging careers resource. SkillsOne suggests that the video is shown **during class time** in careers or other related classes. This has proven to be the most effective method in student engagement from previous releases.



## OPTIONS COULD INCLUDE:

- Showing the video to a large group (we often speak to schools who have shared to groups of 150+) during year group assembly
- Showing the video during careers or other associated classes
- Create a focal point for **National Skills Week (22-28th August)**, by hosting a screening of the video as an activity to celebrate and discuss the week
- Building the video into the coursework during the term
- Making the video mandatory viewing for students of certain year groups (where applicable)
- Sharing the video via online learning platforms for student use
- Coordinating activities around the video, i.e invite in guest speakers, TAFE open days, or online/ in person expos
- Creating in class activities or discussion points following the video





# Other supporting information

1

SkillsOne will be hosting a video panel discussion on **Wednesday 24th August** with industry experts and ambassadors to cover these topics in further depth and address any questions audiences may have from the video. This provides an opportunity for students/ careers adviser/ educators to pre submit questions which will be answered during the session.



**Date:** Wednesday 24th August

**Time:** 6-7pm (so parents can tune in).

**Viewing:** Viewing can be done on the evening or in the following days as a class activity. The video will remain on the SkillsOne Facebook page and their website until the end of 2022.

**Questions:** Pre submit questions until Wednesday 11th August (via below email).

**How to view:** The video will be accessible via the SkillsOne Facebook page [www.facebook.com/SkillsOneTV/](https://www.facebook.com/SkillsOneTV/)



**info@skillsone.com.au**

2

SkillsOne has created a student handout, which promotes useful links which can be downloaded at:

**<https://www.skillsone.com.au/skillsandthrills>**



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# Where to go for further information

SkillsOne has put together the following list of resources which you can share with students.

## USEFUL WEBSITES

- Skills NSW website on how to get an apprenticeship, training, options, support, rights and responsibilities and much more:  
<http://education.nsw.gov.au/skills-nsw/apprentices-and-trainees>
- Connecting apprentices and trainees to the right employers:  
[www.1300apprentice.com.au](http://www.1300apprentice.com.au)
- The Australian Apprenticeships and Traineeships Information Services:  
[www.aapathways.com.au](http://www.aapathways.com.au)
- Information on NSW Industry sectors:  
[www.business.nsw.gov.au/industry-sectors/industry-opportunities](http://www.business.nsw.gov.au/industry-sectors/industry-opportunities)
- Information on school-based apprenticeships and traineeships (SBATs):  
[www.education.nsw.gov.au/public-schools/career-and-study-pathways/school-based-apprenticeships-and-traineeship](http://www.education.nsw.gov.au/public-schools/career-and-study-pathways/school-based-apprenticeships-and-traineeship)
- Careers NSW:  
Offers expert guidance on pathways to employment after school - including education and training options and ways to use your existing skills to your advantage. Make an appointment today.  
<https://careers.nsw.gov.au/find-your-career>
- National Skills Commission:  
Through their research, surveys, modelling and forecasting, the NSC provides unique insights relating to Australia skills capability, emerging occupations, labour market trends and more:  
<https://www.nationalskillscommission.gov.au/in-sights>
- Official national directory for VET:  
[www.myskills.gov](http://www.myskills.gov)
- Information on government-subsidised training in NSW:  
[www.smartandskilled.nsw.gov.au](http://www.smartandskilled.nsw.gov.au)
- SkillsOne television: Hundreds of videos about skills and training:  
[www.skillsone.com.au](http://www.skillsone.com.au)
- NSW JobTrainer: Provides fee-free training courses for young people, job seekers and school leavers to gain skills in Australia's growing industries:  
<https://www.nsw.gov.au/education-and-training/vocational/vet-programs/jobtrainer>
- TAFE NSW- All your vocational training needs in one place:  
[www.tafensw.edu.au](http://www.tafensw.edu.au)
- Everything you need to know about Vocational Education and Training (VET) in NSW including the latest in VET news and stories:  
[www.education.nsw.gov.au/skills-nsw](http://www.education.nsw.gov.au/skills-nsw)
- Celebrating the best in vocational training at a region, national and international level:  
[www.worldskills.org.au](http://www.worldskills.org.au)



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# Industry specific websites and statistics:

## AGRICULTURE/ AGRIBUSINESS

**FACT:** To build prosperous and sustainable rural industries, we need producers with skills and knowledge to make informed decisions about the future of their enterprises and industries.

Currently the supply of people into agricultural careers is not keeping up with the demands of an aging workforce.

The total value of the agriculture, fisheries and forestry sectors is forecast to be \$86.2 billion in 2022/2023

For career story:

<https://www.facebook.com/watch/?508786760697606>



[CLICK FOR FURTHER RESOURCES](#)

[CLICK FOR FURTHER RESOURCES](#)



## BUILDING AND CONSTRUCTION

**FACT:** The Australian construction industry can look forward to an annual 3.4 percent growth between 2022 and 2025. This is largely thanks to a strong pipeline of massive infrastructure projects. The number of people employed in construction is expected to grow by 5.2 per cent this year.

[CLICK FOR FURTHER RESOURCES](#)

## CREATIVE INDUSTRIES

**FACT:** The COVID-19 pandemic has had a significant negative impact on employment in Arts and Recreation Services, however, the industry has rebounded strongly. Sectors in this industry include graphic design, arts and craft products, film, audio and video production, performance art such as dance, music and live theatre.

[CLICK FOR FURTHER RESOURCES](#)

[CLICK FOR FURTHER RESOURCES](#)



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## DEFENCE

Over the next decade and beyond, the demand will increase for Australian workers with trade, technical and science and technology skills within defence industry. Australian workers will be needed to design, install, build, integrate and maintain our ships, submarines, aircraft, land vehicles, intelligence, surveillance and reconnaissance capabilities and information technology and cyber security, and provide services to support the men and women in the Australian Defence Force.

This is an exciting industry to be involved in.

[CLICK FOR FURTHER RESOURCES](#)

## HEALTHCARE AND SOCIAL ASSISTANCE

**FACT:** Health Care and Social Assistance is Australia's largest employing industry and, given the COVID-19 pandemic, has a critically important workforce. It covers health services like hospitals, General Practitioners, dental and ambulance services, as well as child care and aged care. Post-school education is commonly required in this industry with more than 80% of the workers having a post-school qualification. Qualifications are often mandatory for employment and training opportunities exist in both the higher education and VET sectors.

Demand is expected to continue for this industry, given the COVID-19 pandemic and Australia's ageing population. Post-school education is commonly required in this industry with more than 80% of the workers having a post-school qualification. Qualifications are often mandatory for employment and training opportunities exist in both the higher education and VET sectors.



[FURTHER INFORMATION](#)

## SPOTLIGHT: EARLY CHILDHOOD EDUCATION

Employment in the Child Care Services and Preschool Education industry sectors has increased over time, with further projected increases until 2025. Within these industry groupings Child Carers (also referred to in the industry as Early Childhood Educators) are the largest occupational group. It is also projected that the number of those employed as Child Carers will increase substantially (30%) between 2021 and 2025. Employment numbers in other relevant occupations within these sectors are also projected to increase up until 2025. Education Aides are projected to increase by 23%, Early Childhood (Pre-primary School) Teachers by 7% and Child Care Centre Managers by 4%

[FOR MORE INFORMATION](#)





## MANUFACTURING

**Fact:** Manufacturing is a large employing industry in Australia. Around 6.1% of workers have their main job in this industry. The following statistics highlight manufacturing's importance to NSW.

NSW has Australia's largest manufacturing sector, representing 30% of national output and employing 253,000 people. There are currently 26,127 manufacturing businesses in New South Wales. That accounts for 31% of Australia's manufacturers, more than any other state or territory. At \$20.3 billion a year, manufactured goods are NSW's largest export, and this number is growing by 7.5% a year.

[CLICK FOR FURTHER RESOURCES](#)

## MINING AND RENEWABLE ENERGY

**Fact:** Australia is the leading mining jurisdiction in the world. After exceeding \$300 billion in export revenue for the first time in 2020-21, Australia's mining exports are now forecast to grow even further in 2021-22 and total \$379 billion.

This record will be supported by many of Australia's key mineral outputs including iron ore, coal, gold and copper as well as rising exports of battery minerals such as lithium and nickel.

Renewable energy sector is an emerging industry sector. The rapid pace of the clean energy transition make this one of the most exciting industries to work in Australia's miners produce more than 45 minerals used in the manufacture of products ranging from smartphones, electric cars, space travel, solar panels, glass and concrete to golf clubs, wind turbines and medical implants.

Renewable energy is also driving demand for resources. Australia is fast becoming the supplier of choice for a low carbon future, whether it be silver, silicon and copper for solar panels, lithium for battery storage and electric vehicles, or vanadium, cobalt and rare earths for wind turbines.

[CLICK FOR FURTHER RESOURCES](#)

[CLICK FOR FURTHER RESOURCES](#)

## RETAIL

**Fact:** Retail trade traditionally created more than 1.3 million jobs across Australia, making it our second-largest employer. 2021 and beyond will see challenges and shifts in consumer behaviour. Retailers who can adapt, move online and pivot offerings will come out on top.ng by 7.5% a year.

[CLICK FOR FURTHER RESOURCES](#)



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## STEM AND DIGITAL

**Fact:** STEM skills (science, technology, engineering and maths) have helped to facilitate the emergence of more complex, innovative work in many industries. Over the 20 year period to February 2020, before the impact of COVID-19, employment in STEM occupations grew by 85%, or more than twice the rate of nonSTEM occupations (40.2%). Some of these changes have been driven by automation, while greater use of technology has changed many jobs and encouraged growth in higher skilled jobs.

### IDEAS FOR STEM STUDIES AT SCHOOL

#### QUIZ YOURSELF



## SPOTLIGHT: CYBER SECURITY

Pathways into cyber security careers are varied. They might include traditional tertiary or vocational education, but may also come from self-learning and demonstrating your practical skills in cyber security challenges. A good way to plan your pathway into cyber security is to start by considering the types of activities you like to do and your natural skills base, then match that with the jobs on offer.

Have a look at the range of courses at VET level you can do

### CLICK FOR CYBER SECURITY PURPOSES

## TOURISM AND HOSPITALITY

**Fact:** Tourism is a vital industry for Australia. Tourism generates \$94 billion in spending. As a sector, tourism contributes \$34 billion in GDP – that's 2.6% of Australia's total GDP. Tourism is Australia's largest services export earner and provides around half a million jobs.

As restrictions ease, local and national tourism and hospitality will once again be required for a thriving community.

### CLICK HERE FOR CAREER STORY:

### CLICK FOR FURTHER RESOURCES

## TRANSPORT, LOGISTICS AND WAREHOUSING

**Fact:** The Australian freight and logistics market is estimated to witness a growth rate of 2.5% over the period of 2018 to 2024. The market is segmented by freight transportation modes, freight forwarding, warehousing and value added services and other functions. Warehousing is expected to see strong growth in the Australia freight and logistics market due to the increasing infrastructure and technology development.

### CLICK FOR FURTHER RESOURCES



# VET as a first choice!



- Nil entry requirements and in some instances study can commence whilst at school.
- Students commence earning while gaining an apprenticeship or traineeship.
- National skills shortage in hundreds of different trade areas. Essentially, this means industries and employers are actively looking for carpenters, electricians, mechanics, cooks and hairdressers amongst other roles.
- Broad range of industry sectors covered.
- The difference comes into play when you consider debt left by studying (i.e while a average apprentice will earn an average of \$220,000 over the course of their four-year apprenticeship, a university graduate will be left with an average \$23 860 debt. When it's all over, the apprentice is about \$200,000 ahead of the uni graduate.
- On-the-job experience is valued highly by employers.
- VET teaches workforce etiquette, skills relevant to the industry and provides a nationally recognised qualification, all within a manageable 12– 48 month period.
- Studying through VET, you can be confident that you'll be gaining up-to-date skills, making great connections, and unlocking new career pathways.
- You will finish a VET course with the skills needed to work in your chosen industry straight away.
- VET also provides an avenue for articulation into higher education, with students being able to use their VET study to gain entry into university. It should be noted that, conversely, some university graduates go on to undertake further VET study too
- New careers and challenges in emerging industry areas such as Renewable energy, agriculture, health, games, industry 4.0 advanced manufacturing. These skills and careers are all available through VET.



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# References

## GENERAL

<https://careers.nsw.gov.au/find-your-career>  
<https://education.nsw.gov.au/skills-nsw/apprentices-and-trainees>  
<https://education.nsw.gov.au/about-us/educational-data/cese/-publications/research-reports/pathways-for-the-future-pilot-project-summary-report>  
<https://labourmarketinsights.gov.au/our-research/employment-projections/>  
<https://www.nationalskillscommission.gov.au/sites/default/-files/2022-02/State%20of%20Australia%27s%20Skills%20Overview.pdf>  
<https://australiainstitute.org.au/report/the-future-of-work-for-australian-graduates/>

## AGRICULTURE

<https://www.agrifutures.com.au/about/>  
<https://www.agriculture.gov.au/abares/research-topics/agricultural-outlook/agriculture-overview>

## CONSTRUCTION

[https://www.researchandmarkets.com/reports/5521371/construction-in-australia-key-trends-and?utm\\_source=BW&utm\\_medium=PressRelease&utm\\_code=pgfws9&utm\\_campaign=1647581++Australia+Construction+\(State+and+Territory\)+Market+Trends+and+Opportunities+Report+2021-2025&utm\\_ex](https://www.researchandmarkets.com/reports/5521371/construction-in-australia-key-trends-and?utm_source=BW&utm_medium=PressRelease&utm_code=pgfws9&utm_campaign=1647581++Australia+Construction+(State+and+Territory)+Market+Trends+and+Opportunities+Report+2021-2025&utm_ex)

## DEFENCE INDUSTRIES

<https://www.myskills.gov.au/industries/defence-industry>

## HEALTH AND CHILDCARE

<https://myfuture.edu.au/occupations/details/4211--child-carers#overview>  
<https://labourmarketinsights.gov.au/industries/industry-details?industryCode=Q>

## MANUFACTURING

<https://labourmarketinsights.gov.au/industries/industry-details?industryCode=C>  
<https://invest.nsw.gov.au/sector-opportunities/manufacturing>

## MINING AND RENEWABLES

<https://www.minerals.org.au/make-your-career-mining-careers-guide>  
<https://assets.cleanenergycouncil.org.au/documents/re->

## RETAIL

<https://www.nationalskillscommission.gov.au/reports/australian-jobs-2021/jobs-industry/retail-trade>

## DIGITAL AND STEM

<https://www.nationalskillscommission.gov.au/sites/default/-files/2022-02/Australia%E2%80%99s%20shift%20to%20a%20higher%20skilled%2C%20service-based%20economy.pdf>

## TOURISM HOSPITALITY AND EVENTS

<https://www.tourism.australia.com/content/dam/assets/document/1/6/x/6/3/2002539.pdf>

## TRANSPORT, LOGISTICS AND WAREHOUSING

<https://www.globenewswire.com/news-release/2020/12/07/2140294/0/en/AUSTRALIA-FREIGHT-AND-LOGISTICS-MARKET-GROWTH-TRENDS-AND-FORECAST-2020->

## CREATIVE INDUSTRIES

<https://www.nida.edu.au/courses/vet>  
<https://newapproach.org.au/wp-content/uploads/2021/08/5-ANA-InsightReportFive-FullReport.pdf>  
<https://www.austrade.gov.au/international/buy/australian-industry-capabilities/creative-industries>

## WAGES AND HECS DEBT STATISTICS

<https://gradaustralia.com.au/on-the-job/what-is-the-average-graduate-salary-in-australia>  
<https://au.talent.com/salary?job=apprentice#:~:text=How%20much%20does%20a%20Apprentice%20make%20in%20Australia%3F&text=The%20average%20apprentice%20salary%20in,up%20to%20%2487%2C987%20per%20year.>  
<https://www.google.com/search?q=average+hecs+debt+austra->