Navigating Technology and the Jobs of the Future

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Commission





Training and Skills Commission

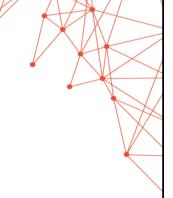
Introduction to the Training and Skills Commission

The Changing Nature of Work

Skills for Future Jobs 2020

- Economic modelling
- Industry Priority Qualifications 2020

Vocational Education and Training as part of the solution

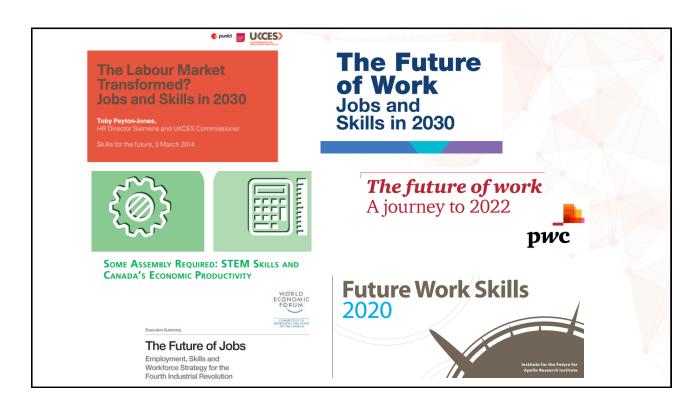


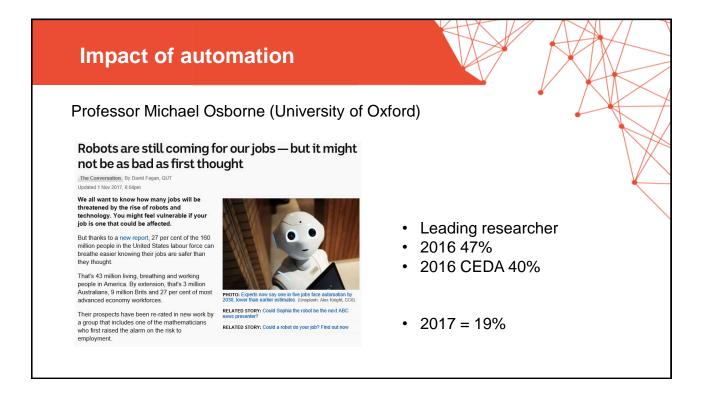
Training and Skills Commission

A statutory authority made up of industry, academic and community leaders.

- Regulator of the Apprenticeship and Traineeship system in South Australia
- · Provides independent, industry relevant advice
- Promotes access and participation in Vocational Education and Training

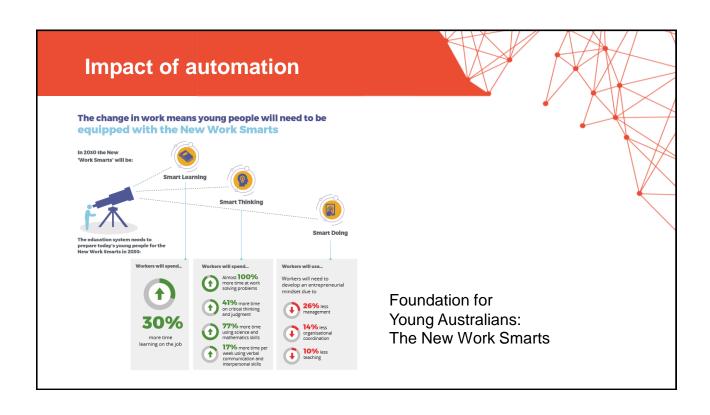


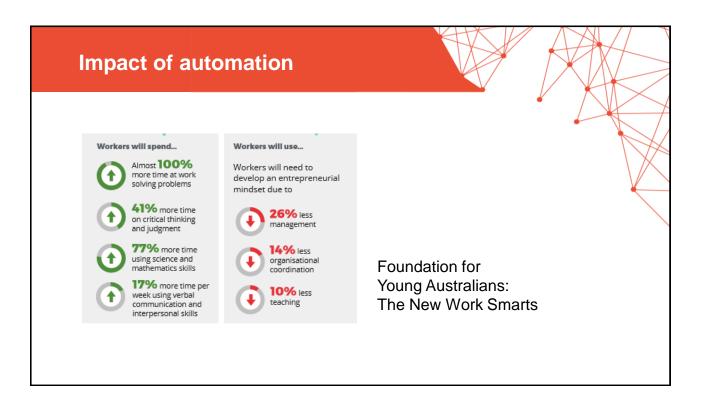




Impact of automation

- Growing consensus that creativity and complex problem solving skills will be essential for success
- Less occupations disappearing and more occupations changing
- Less technological expertise and more adaptive capacity







Skills for Future Jobs 2020

The Commission independent economic modelling

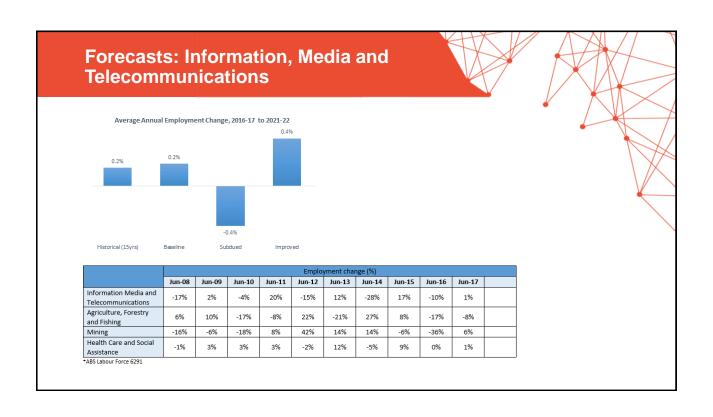
- Provides a statistical basis to guide policy and inform decisions making by government, industry and individuals.
- Results in a comprehensive overview of future employment and the likely demand for skills in South Australia.

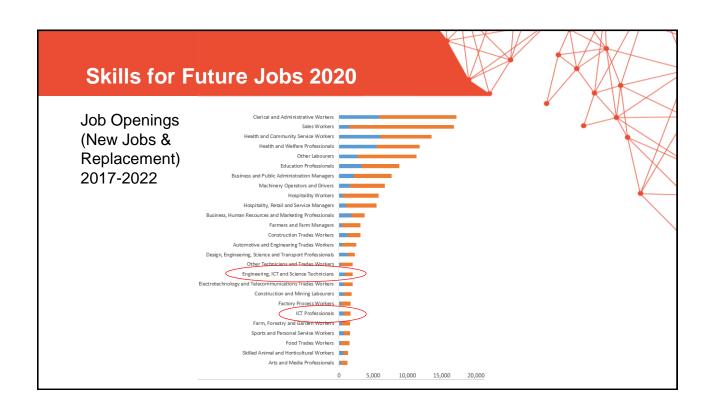


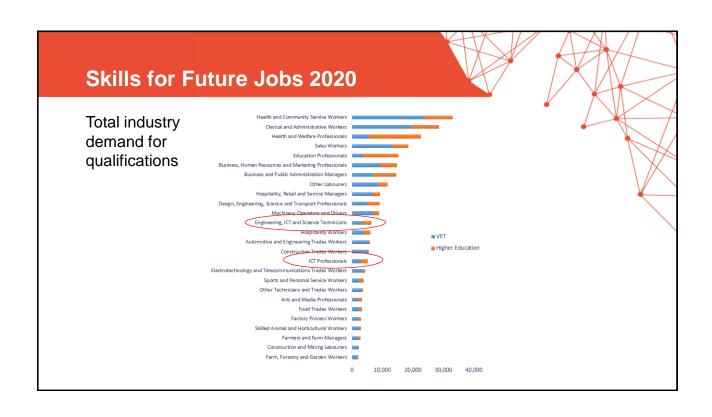
Skills for Future Jobs 2020

Projected annual employment growth 2017-2022

| | Baseline | Improved | Subdued |
|---|----------|----------|---------|
| Agriculture, Forestry and Fishing | 0.5 | 0.8 | 0.0 |
| Mining | 0.4 | 0.6 | -0.1 |
| Manufacturing | -0.1 | 0.1 | -0.6 |
| Electricity, Gas, Water and Waste Services | 0.3 | 0.6 | -0.1 |
| Construction | 1.2 | 1.4 | 0.7 |
| Wholesale Trade | -0.6 | -0.4 | -1.1 |
| Retail Trade | 0.2 | 0.5 | -0.2 |
| Accommodation and Food Services | 0.4 | 0.7 | 0.0 |
| Transport, Postal and Warehousing | 0.8 | 1.1 | 0.3 |
| Information Media and Telecommunications | 0.2 | 0.4 | -0.3 |
| Financial and Insurance Services | 0.4 | 0.7 | 0.0 |
| Rental, Hiring and Real Estate Services | 1.3 | 1.5 | 0.8 |
| Professional, Scientific and Technical Services | 1.4 | 1.6 | 0.9 |
| Administrative and Support Services | 1.6 | 1.9 | 12 |
| Public Administration and Safety | 1.3 | 1.6 | 0.8 |
| Education and Training | 1.8 | 2.0 | 1.3 |
| Health Care and Social Assistance | 2.1 | 2.4 | 1.7 |
| Arts and Recreation Services | 1.3 | 1.5 | 0.8 |
| Other Services | 0.3 | 0.6 | -0.1 |
| Total | 1.0 | 1.2 | 0.5 |







Skills for Future Jobs 2020 Series





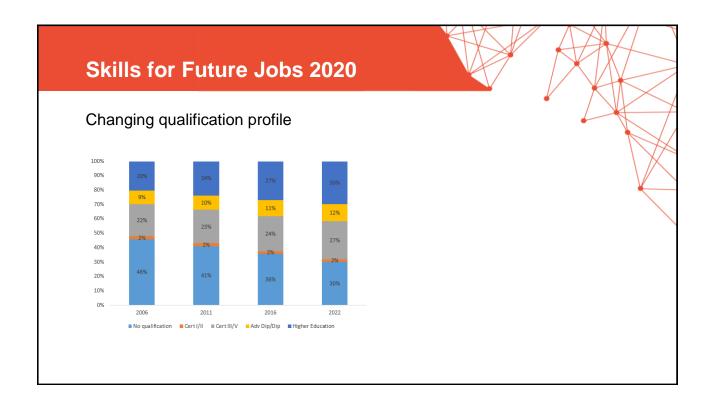
Skills for Future Jobs 2020 Series



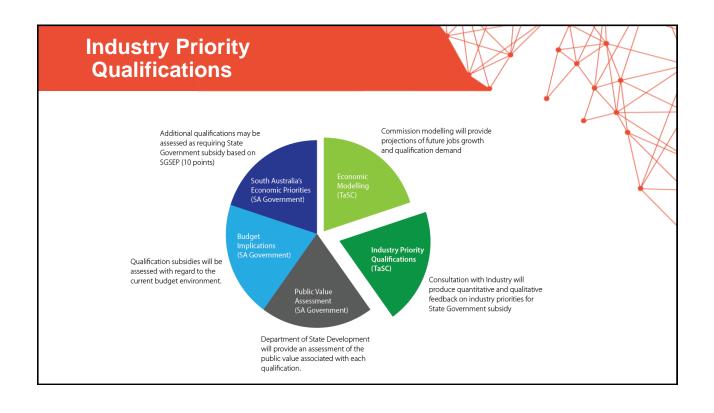
2022 74%

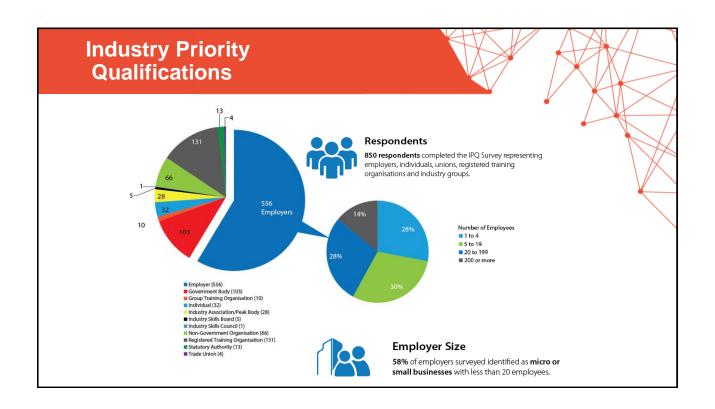


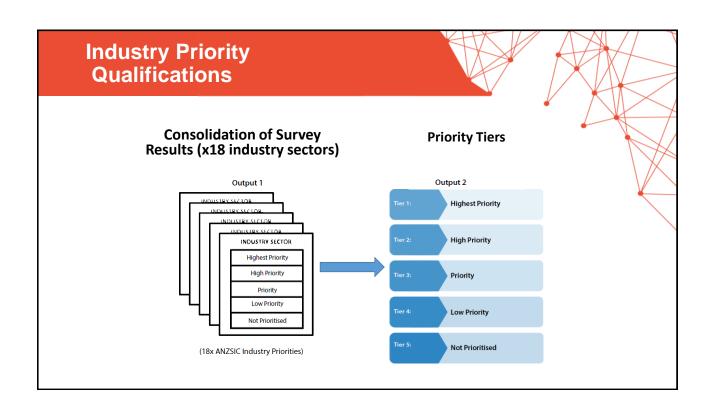




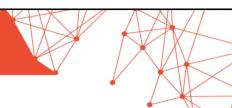








Industry Priority Qualifications





Priorities

106 qualifications were identified as a top priority for Industry over the next five years, while 169 were identified as a high priority and 225 identified as a priority. The remaining 639 were identified as lower priority.



Top Qualifications

Generic (business-related) qualifications were consistently identified as high priorities for industry and the SA economy. These qualifications were often considered applicable to multiple occupations and transferable across industry sectors.



Qualifications

Over 1100 Qualifications, Skill Sets and Accredited Courses (QSCs) were identified by industry as a priority. This is just over 25% of all available QSCs (4103) embedded within the IPQ Survey.

Industry Priority Qualifications





High Growth & Small Employer Needs

Both High Growth and Small Employers have ranked **Marketing & Customer Engagement qualifications** as high priority.



Skills Clusters

Managerial and Leadership, Sales and Customer Service and Information and Technology skills were ranked most highly across industry sectors by survey respondents as the skills required in the next five years.

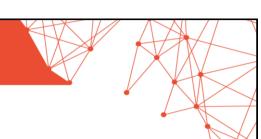
Skills Clusters: Information, Media and Telecommunications



| Skills Clusters | Ranking |
|--|---------|
| Managerial & Leadership | 1 |
| Sales & Customer Service | 2 |
| Information & Technology | 3 |
| Work Health & Safety (WHS) | 4 |
| Administration & Support | 5 |
| Financial | 6 |
| Marketing & Engagement | 7 |
| Human Resources | 8 |
| Sustainability & Environmental | 9 |
| Language, Literacy & Numeracy (LLN) | 10 |
| Entrepreneurial | 11 |

| Skills Clusters | This Industry | All Respondents | Compare |
|--|------------------|--------------------|-------------------|
| Information & Technology | 1 | 3 | 1 |
| Sales & Customer Service | 2 | 2 | \leftrightarrow |
| Managerial & Leadership | 3 | 1 | + |
| Marketing & Engagement | 4 | 7 | + |
| Entrepreneurial | 5 | 11 | 1 |
| Administration & Support | 6 | 5 | + |
| Language, Literacy & Numeracy (LLN) | 7 | 10 | 1 |
| Human Resources | 8 | 8 | * |
| Financial | 9 | 6 | + |
| Work Health & Safety (WHS) | 10 | 4 | + |
| Sustainability & Environmental | 11 | 9 | + |

Vocational Education and **Training**



Part of the solution?

- If we accept industrial change is happening at a faster rate.
- One must accept that the workforce needs are changing at an increasing rate.
- So how fast is our education sectors changing?

Vocational Education and Training

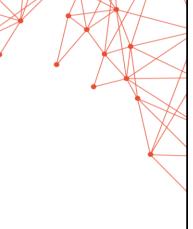


- 9 of the 10 top jobs growth (TaSC forecasts) are serviced by the VET sector
- VET is, by its design, connected directly with employers and industry
- · Highly accessible, shorter duration, lower cost

Vocational Education and Training

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- 9 of the 10 top jobs growth (TaSC forecasts) are serviced by the VET sector
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Vocational Education and Training

Extra thought. . . . 79% of parents want their children to go to university over VET yet:

- On average VET graduates earn a starting salary above university graduates
- Are three times more likely to be an employer within 15 years than university graduates
- Are employed almost 4 times quicker in their field of study than university graduates
- · And aren't weighed down by large educational debts

Skills for Future Jobs 2020 Series

Join the CONVERSATION

Register: 2020.tasc.sa.gov.au

Email: tasc@sa.gov.au

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