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Trades

Over a century of experience
kick-starting skilled careers

Joel Martin & Jane Clancy

17 February 2023 | AMDC505



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Acknowledgement of Country

We respectfully acknowledge the Wurundjeri People of the Kulin Nation, who are the Traditional Owners of the land on which Swinburne's Australian campuses are located in Melbourne's east and outer-east, and pay our respect to their Elders past, present and emerging.

We are honoured to recognise our connection to Wurundjeri Country, history, culture, and spirituality through these locations, and strive to ensure that we operate in a manner that respects and honours the Elders and Ancestors of these lands.

We also respectfully acknowledge Swinburne's Aboriginal and Torres Strait Islander staff, students, alumni, partners and visitors.

We also acknowledge and respect the Traditional Owners of lands across Australia, their Elders, Ancestors, cultures, and heritage, and recognise the continuing sovereignties of all Aboriginal and Torres Strait Islander Nations.

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Trades in 2023

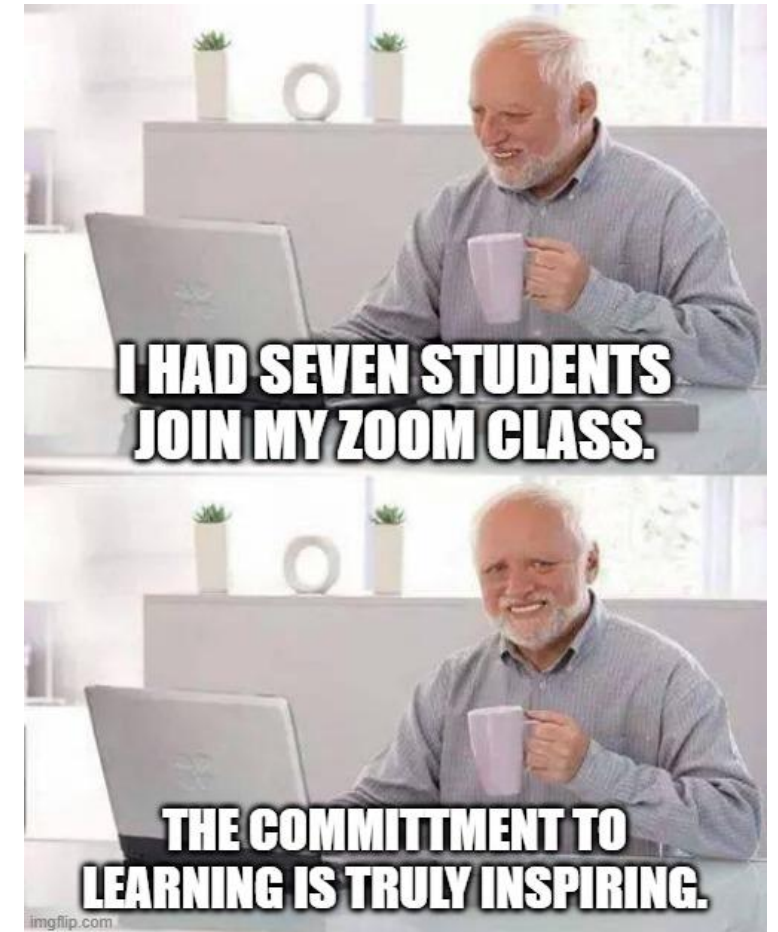
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What's affecting our students?

It's Finally 2023!

Here's some trends that have emerged in the last 3 years:

- The post-COVID world
- More foundation jobs available
- Increased rates of anxiety
- Increased rates of depression
- Inflation leading to financial pressure
- 2 years structureless
- Interrupted education



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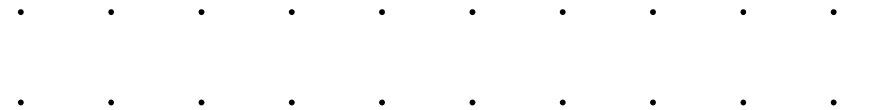
What types of
students do you
see?

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Student 1 - Joel - Just play sport

Who is Joel?

- Infallible (or thinks he is)
- Lazy
- Arrogant
- Line of least resistance
- Believes he is adorable
- Should be honoured to have him
- Learning gaps
- Thrives on the physical only
- Wants to be a chick magnet
- Red sneakers



Student 2 - Tiffany - Lots of money

Who is Tiffany?

- Demanding (look at me)
- Entitled
- Drama seeking
- Vain (I don't wear boots)
- Opinionated (I'll tell you what to do)
- Unmotivated
- Friend-Focused – I want my friends to do this too – Believes everything on TikTok
- Wants it to be easier (Electricians make the most money)



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Student 3 – Alex – No Idea

Who is Alex?

- Bored
- Tired
- Disengaged
- Won't speak
- No ideas
- No ambition
- No interests
- Heavily impacted by COVID and struggling to reconnect post-COVID

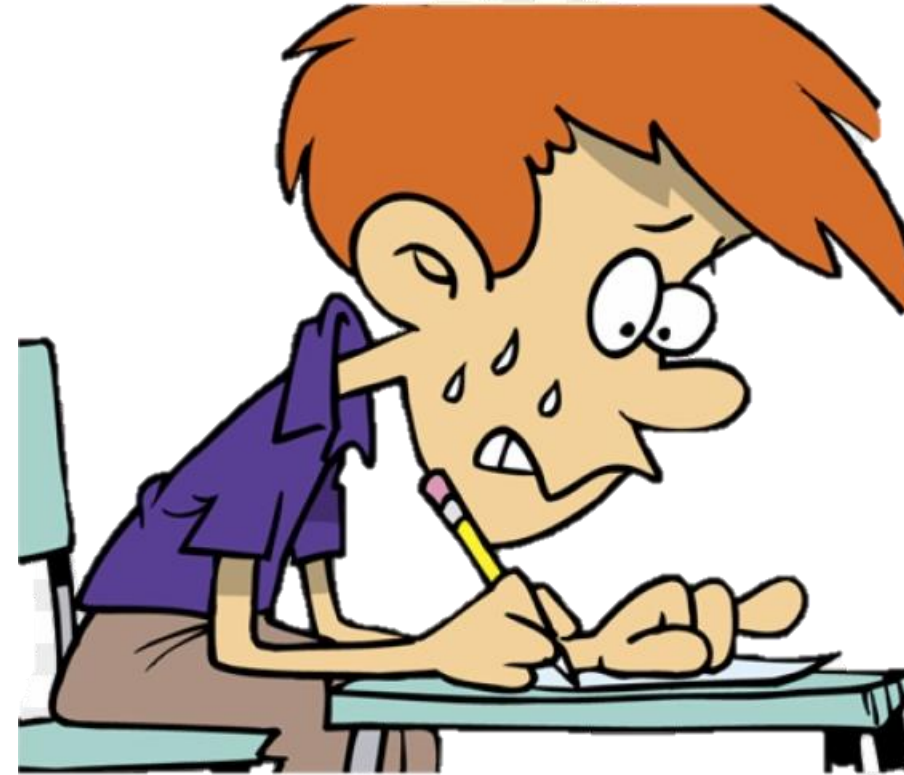


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Student 4 - Dale - Must Be a Doctor

Who is Dale?

- Anxious
- Nervous
- Catastrophises
- Reluctant
- Fearful
- Forced
- Angry
- Driven to be in medicine - it is the “only choice”

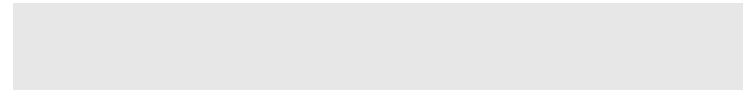


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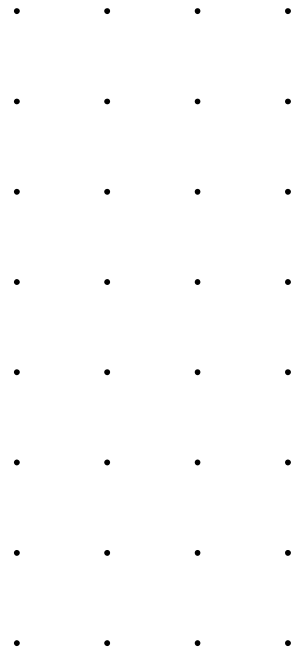
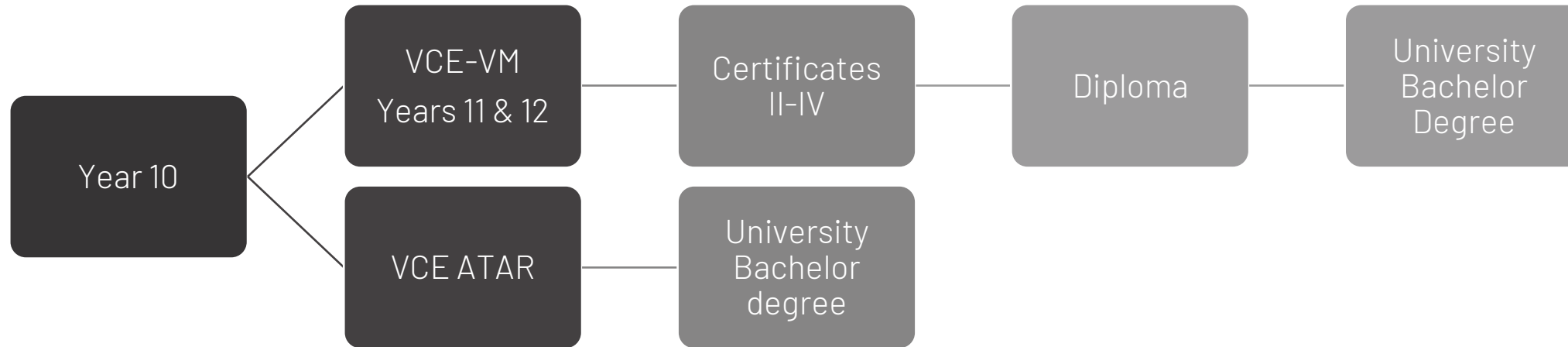
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Options for any student

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There are many pathways & study choices



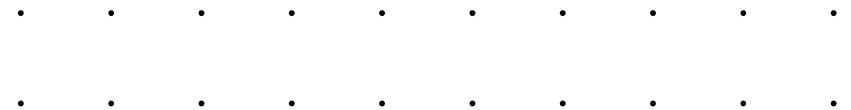
Trades at Swinburne

Applied Learning at Swinburne

- Experiential and authentic learning
- Real-life context
- Teaches knowledge and skills
- Personalised by recognising your strengths
- Flexible
- Student-centered

Vocational Education & Training at Swinburne

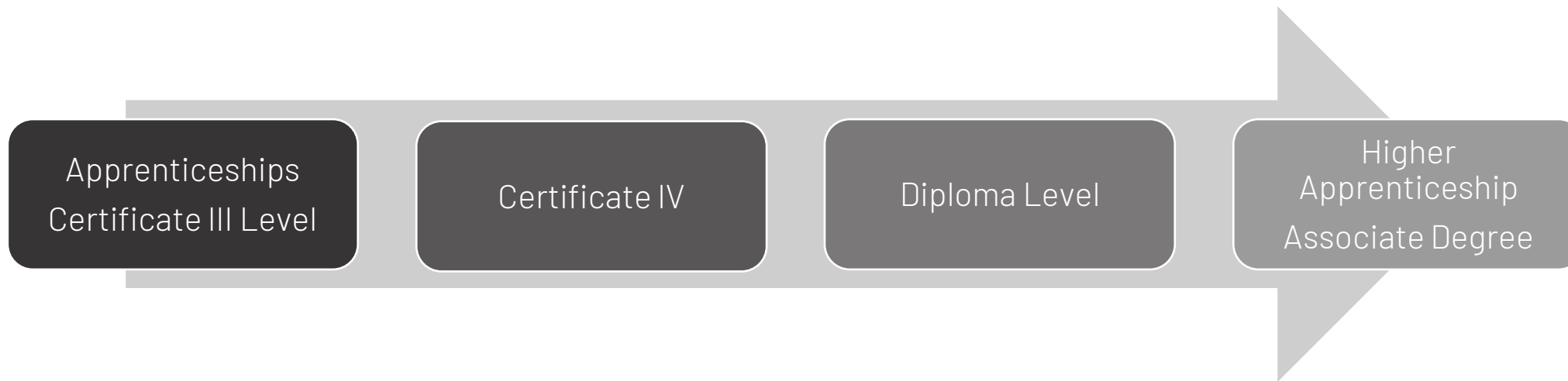
- Prepares students for the workforce
- Teaches knowledge and skills that are industry-specific
- Uses industry standard facilities



Building Trades at Swinburne and future pathways

All Building Trades – Certificate II pre-apprenticeships

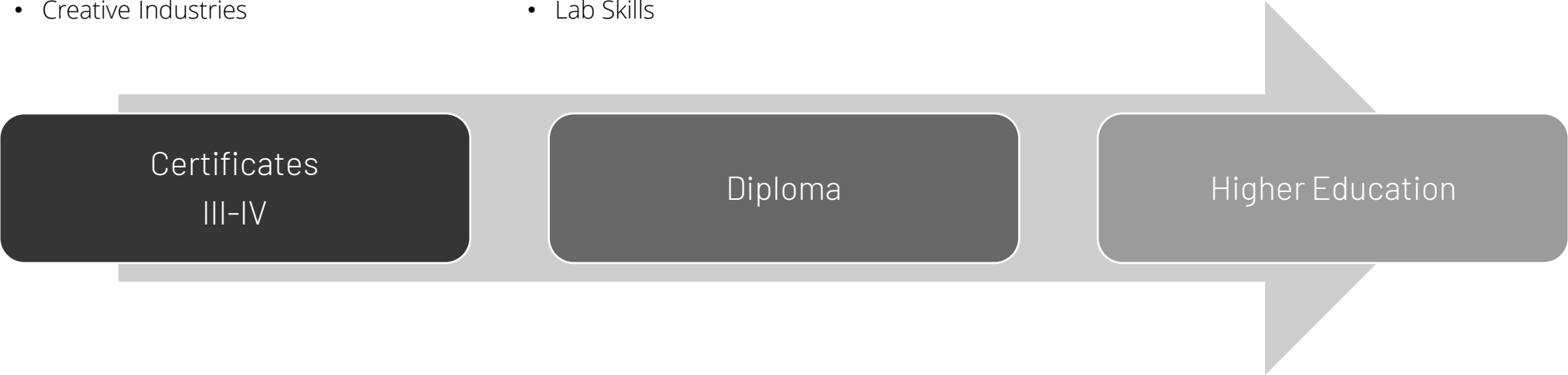
- Bricklaying
- Carpentry
- Electrical
- Engineering (SC)
- Horticulture
- Landscaping
- Plumbing



Other VET at Swinburne and future pathways

Non-Trades - Certificate II & III Level

- Allied Health (SC)
- Business (SC)
- Community Services
- Creative Industries
- Design Fundamentals
- ICT (Games)
- Integrated Technology (SC)
- Lab Skills
- Fast Track Diploma Nursing
- VET Sampler



HOT TIP

New Employment Forecast Tool

<https://www.vic.gov.au/victorian-skills-plan>



Victorian Skills Plans Products



State of Victorian Labour Market Report

Explore the workforce trends which impact Victoria's skills requirements in the years ahead.

[Read the report](#)



Employment Forecast Dashboard

Explore the forecasts, demographic and VET information that supports the Victorian Skills Plan.

[Use the dashboard](#)

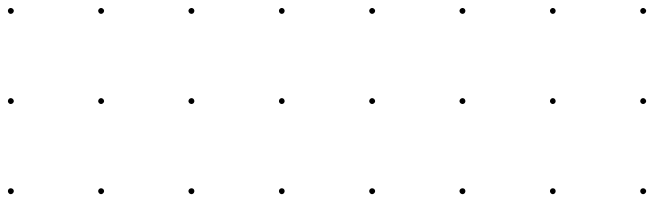


Don't read the numbers!

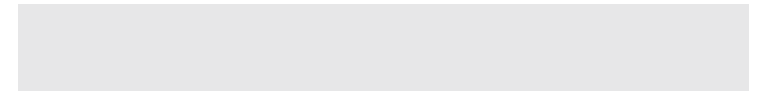
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ANZSCO4 Occupation

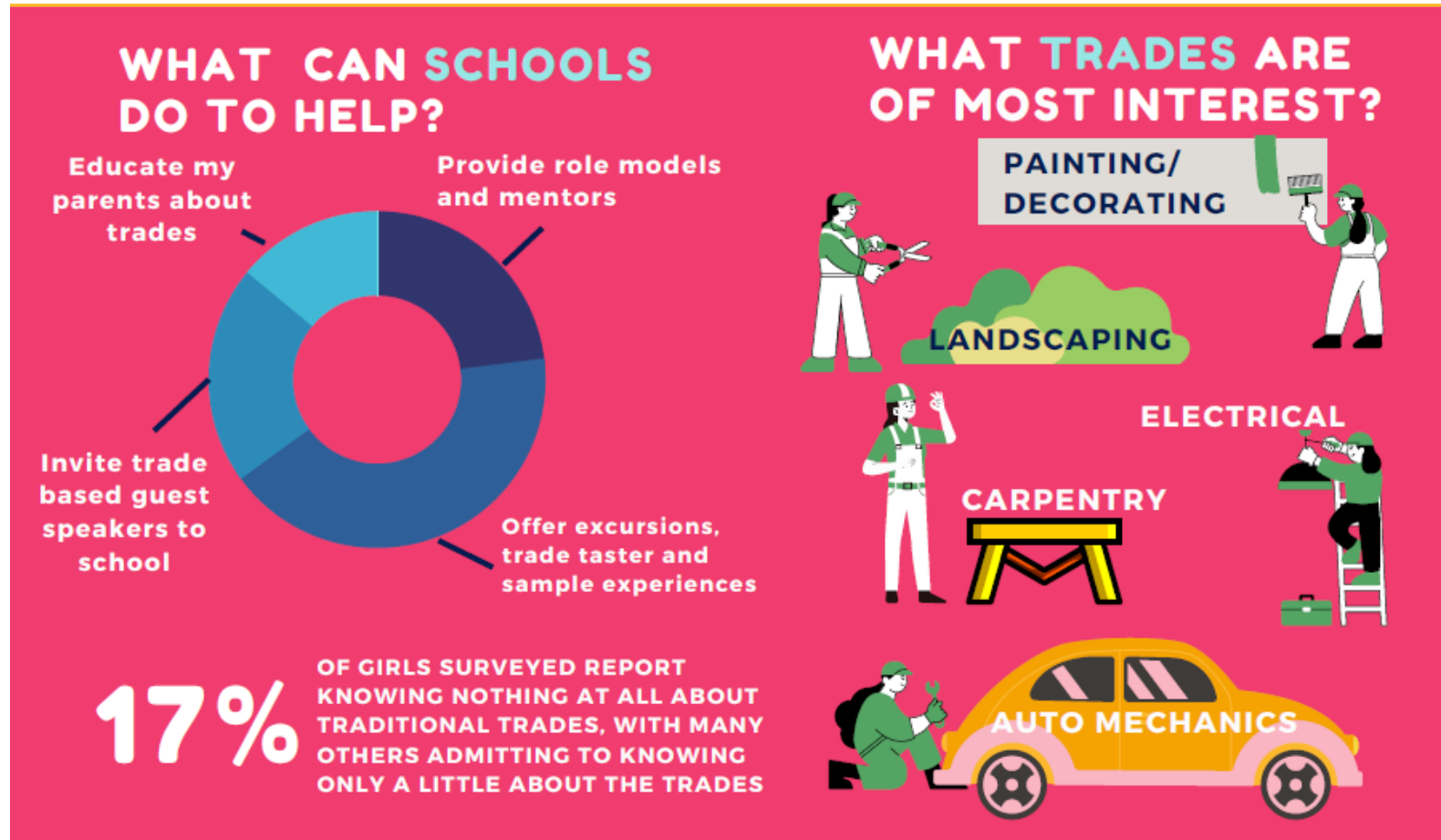
	Employment 2022	Annual employment growth rate(%) 2022-2025	Employment growth 2022- 2025	Retirements 2022-2025	Total new workers required by 2025
Airconditioning and Refrigeration Mechanics	656	1.8%	188	121	309
Architectural, Building and Surveying Technicians	9,763	3.1%	1,021	363	1,384
Bricklayers and Stonemasons	5,969	0.8%	114	225	339
Building and Plumbing Labourers	10,574	2.3%	746	555	1,300
Carpenters and Joiners	34,255	0.3%	230	1,095	1,325
Civil Engineering Draftspersons and Technicians	326	1.2%	43	41	85
Concreters	8,209	0.8%	160	312	472
Construction Managers	22,613	2.6%	1,496	1,205	2,701
Earthmoving Plant Operators	3,088	0.7%	115	316	430
Electrical Distribution Trades Workers	518	0.0%	0	17	17
Electrical Engineering Draftspersons and Technicians	1,057	0.6%	16	33	49
Electricians	17,782	2.5%	1,722	809	2,531
Electronics Trades Workers	1,565	0.2%	5	44	49
Fencers	2,265	1.5%	80	115	195
Floor Finishers	1,196	1.3%	79	94	173
Handypersons	5,886	1.2%	130	200	331
Manufacturers	8,235	1.5%	345	714	1,059
Mechanical Engineering Draftspersons and Technicians	157	2.0%	42	27	69
Metal Casting, Forging and Finishing Trades Workers	507	0.9%	16	35	51
Metal Engineering Process Workers	4,268	1.8%	124	110	234
Metal Fitters and Machinists	4,295	0.2%	39	311	350
Other Building and Engineering Technicians	373	4.0%	120	35	155
Sheetmetal Trades Workers	1,654	3.6%	80	39	119
Structural Steel and Welding Trades Workers	7,914	0.4%	125	421	546
Total	153,147	1.5%	7,034	7,238	14,272



Girls In Trades



Girls in Trades



Girls in Trades



4 messages schools (and young women) need to hear...



1. Vocational education can lead to higher incomes

2. There are skills shortages in the vocational occupations



3. Gender stereotyping 'edits out' options from an early age

4. Tradeswomen highly recommend their trade



4 barriers young women need to overcome ...



1. For some women, trades are the best job choice, but many take a long time to get there

2. Schools still preference university pathways

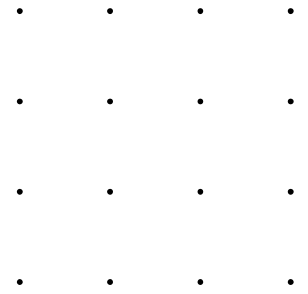


3. Teachers and career advisors do not know enough about trades

4. Negative messages also make some women doubt the choice



Girls in Trades



4 things we should do next to help (recommendations to government and schools) ...



1. Challenge gender stereotypes in primary school



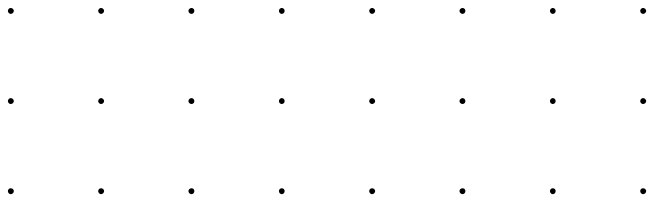
3. Fund a secondary career education model that gets trades on young women's radars

2. Upskill secondary school leadership, career advisors, and teachers so they can advise on vocational opportunities



4. Develop experiences to get young women 'on the tools' so they can feel more confident in their decisions





Thank You

