

The Australian STEM Report 2018

Welcome to the Careers with STEM annual survey. This survey is for educators, parents and students. Your insights will help the team at Careers with STEM, and the broader STEM community, to create useful, impactful resources to help prepare students for the careers of the future.

* Required

1. Name *

2. Organisation

3. Email *

4. I identify as

Mark only one oval.

- Female
- Male
- Prefer not to say

5. I live in

Mark only one oval.

- NSW
- VIC
- QLD
- SA
- WA
- NT
- ACT
- TAS
- New Zealand

6. I am best described as *

Mark only one oval.

- An educator Skip to question 7.
- A student Skip to question 36.
- A parent Skip to question 46.
- STEM Professional/Supporter Skip to question 24.
- Other: _____ Skip to question 24.

Educator Stream

7. Years of experience as an educator

Mark only one oval.

- 16-24
- 25+
- 2 or less
- 3-7
- 8-15

8. I mostly teach

Mark only one oval.

- K-2
- Years 3-6
- Years 7-9
- Years 9-8
- Years 11 -12
- Other: _____

9. I'm most comfortable teaching

Check all that apply.

- Science
- Technologies
- Technical and applied sciences
- Maths
- The Arts
- Humanities and Social Sciences
- English
- Languages
- Health and Physical Education
- STEM
- Careers
- Other: _____

10. How important is it to integrate career pathways when teaching?

Mark only one oval.

	1	2	3	4	5	6	7	
Not important	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	Critical

11. How important is it to show real-world connections when teaching?

Mark only one oval.

	1	2	3	4	5	6	7	
Not important	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	Critical

12. How important is it to have examples of real-life role models to inspire students?

Mark only one oval.

	1	2	3	4	5	6	7	
Not important	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	Critical

13. How would you rate your understanding of STEM careers?

Mark only one oval.

	1	2	3	4	5	6	7	
Not good	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	Exceptional

14. What skills do you think your students need in order to succeed after they finish school?

15. What are the most in-demand career areas that will arise in the next 5, 10 and 20 years?

16. Would it be good to have some more help or resources to improve your understanding of future careers?

Mark only one oval.

Yes

No

17. If yes, what sort of help would you like to access?

Check all that apply.

- Professional development and conferences
- Videos to help inspire students
- Careers with STEM magazines
- Career Fairs
- Student / Industry Mentoring opportunities
- Websites
- Webinar or video training
- Virtual tours of businesses
- Classroom worksheets / resources
- Career quizzes for students
- Other: _____

18. Which students are more likely to choose STEM (science, technology, engineering and maths) subjects?

Mark only one oval.

- Males
- Females
- Both equal

19. Why do you think some students don't choose STEM subjects at school?

20. Do you have any personal connections with STEM employers?

Mark only one oval.

- Yes
- NO
- Other: _____

21. Have you worked outside of a school?

Mark only one oval.

- Yes
- No

22. What STEM or careers resources do you use and rate?

23. Any other comments?

Skip to question 59.

Professional Stream

24. What industry do you work in?

Mark only one oval.

- Administration/Support
- Construction
- Marketing/Advertising
- Education
- Technology
- Finance
- Engineering
- Science
- Hospitality
- Other: _____

25. How important are STEM skills for students?

Mark only one oval.

	1	2	3	4	5	6	7	
Not important	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	Critical

26. How important is it for students to be familiar with STEM career pathways?

Mark only one oval.

	1	2	3	4	5	6	7	
Not important	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	Critical

27. How important is it for students to have real-world STEM connections?

Mark only one oval.

	1	2	3	4	5	6	7	
Not important	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	Critical

28. How would you rate your understanding of STEM careers?

Mark only one oval.

	1	2	3	4	5	6	7	
Not good	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	Exceptional

29. What skills do you think students need in order to succeed after they finish school?

30. What are the most in-demand career areas that will arise in the next 5, 10 and 20 years?

31. Would it be good to have some more help or resources to improve people's understanding of future careers?

Mark only one oval.

Yes

No

32. If yes, what sort of help would be good?

Check all that apply.

- Professional development and conferences
- Videos to help inspire students
- Careers with STEM magazines
- Career Fairs
- Student / Industry Mentoring opportunities
- Websites
- Webinar or video training
- Virtual tours of businesses
- Classroom worksheets / resources
- Career quizzes for students
- Other: _____

33. Why do you think some students don't choose to pursue courses and careers in STEM?

34. Do you have any personal connections with STEM employers?

35. Any other comments?

Skip to question 59.

Student Stream

36. What's your favourite subject?

Check all that apply.

- Sciences (Biology, Physics, Chemistry)
- Technologies
- Technical and applied sciences/Engineering
- Maths
- The Arts
- Humanities and Social Sciences
- English
- Languages
- Health and Physical Education
- STEM
- Careers
- Other: _____

37. How certain are you about the career you want to pursue after high school?

Mark only one oval.

	1	2	3	4	5	6	7	
No idea	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	Totally certain

38. What career is it?

39. Have you done, or are you planning to do, work experience

Mark only one oval.

- Yes
- No
- Maybe

40. If yes, what work experience did you have, or are you planning to have?

41. Do you plan to go to university?

Mark only one oval.

- Yes
- No
- Haven't decided

42. If yes, what field of study do you plan to do?

Check all that apply.

- Science
- Engineering
- Computing or Information Technology
- Medicine
- Education
- Accounting
- Economics
- Business
- Creative Arts
- Humanities and social sciences
- Health services
- Law
- Sport, leisure and recreation
- Nursing
- Dental or dental studies
- Psychology
- Mathematics
- Other: _____

43. If no, do you plan to explore any of the following?

Check all that apply.

- Apprenticeships
- Vocation Education or Training (eg TAFE)
- On the job training
- I want to take a year off before I decide
- I want to travel
- Don't know
- Other: _____

44. Where have you looked for or received information about study and careers?

Check all that apply.

- Parents
- Teachers
- Career fairs
- Magazine or brochure
- Careers website
- Other website
- YouTube or other video streaming
- Social media
- Friends
- School career advisor
- Other adult
- TV / movies
- Camp / event or workshop
- VTAC/UAC/QTAC/TISC/SATAC
- Other: _____

45. Any other comments?

Skip to question 59.

Parent/Carer Stream**46. What year is your child/children in?**

Check all that apply.

- K-2
- Years 3-6
- Years 7-9
- Years 9-8
- Years 11 -12
- n/a
- Other: _____

47. What is your highest level of education?

Mark only one oval.

- High school
- Certificate
- Diploma
- Trade/apprenticeship
- Bachelors degree (including Honours)
- Postgraduate qualification
- Other: _____

48. My child is

Mark only one oval.

- Male
- Female
- I have both genders
- I prefer not to say

49. Who is more likely to choose STEM (science, technology, engineering and maths) subjects?

Mark only one oval.

- Males
- Females
- Both equal

50. Why do you think some students don't choose to pursue courses and careers in STEM?

51. How confident are you in advising your child/ren about the careers of the future?

Mark only one oval.

	1	2	3	4	5	6	7	
Not confident	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	Very confident

52. Do you have any personal connections with STEM employers?

53. What are the top three skills you think will help children prepare for careers in the future?

Check all that apply.

- Science
- Maths
- Business/entrepreneurship
- Work experience/internships
- Working in teams
- Entering competitions
- Coding
- Public speaking
- STEM
- Robotics
- Accounting
- Trade skills
- Creative thinking
- Other: _____

54. How likely are you to encourage your child to apply for a university course?

Mark only one oval.

	1	2	3	4	5	6	7	
Definitely no	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	Most certainly

55. How likely are you to encourage your child to apply for an apprenticeship?

Mark only one oval.

	1	2	3	4	5	6	7	
Definitely not	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	Most certainly

56. How likely are you to encourage your child to start working as soon as they finish school?

Mark only one oval.

	1	2	3	4	5	6	7	
Definitely not	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	Most certainly

57. What are the most in-demand career areas that will arise in the next 5, 10 and 20 years?

58. Any other comments?

Skip to question 59.

Final burst

59. If you were looking for information and advice about careers for students, how likely are you to use each of the following?

Check all that apply.

	Likely	Not likely
University Open Days	<input type="checkbox"/>	<input type="checkbox"/>
Presentation by someone in industry	<input type="checkbox"/>	<input type="checkbox"/>
A careers fair	<input type="checkbox"/>	<input type="checkbox"/>
Printed magazine, book or flyer	<input type="checkbox"/>	<input type="checkbox"/>
Careers/guidance councillor	<input type="checkbox"/>	<input type="checkbox"/>
Friend/family member	<input type="checkbox"/>	<input type="checkbox"/>
Teachers	<input type="checkbox"/>	<input type="checkbox"/>
Websites	<input type="checkbox"/>	<input type="checkbox"/>
Linkedin	<input type="checkbox"/>	<input type="checkbox"/>
YouTube	<input type="checkbox"/>	<input type="checkbox"/>
Twitter	<input type="checkbox"/>	<input type="checkbox"/>
Facebook	<input type="checkbox"/>	<input type="checkbox"/>
Email	<input type="checkbox"/>	<input type="checkbox"/>

60. Who do you think are students' biggest influencers when it comes to choosing subjects at school?

Check all that apply.

- Parents
- Teachers
- Careers advisors
- Siblings
- Friends
- Celebrities/famous people
- Media
- Other: _____

61. Which of the following Careers with STEM magazines are you familiar with?

Check all that apply.

- Careers with STEM: Code
- Careers with STEM: Science
- Careers with STEM: Maths
- Careers with STEM: Engineering
- Careers with STEM: Cybersecurity
- Careers with STEM: Economics
- Careers with STEM: Health
- Other: _____

62. Which the following Careers with STEM resources are you familiar with?

Check all that apply.

- Careers with STEM posters
- Careers with STEM class notes
- CareerswithSTEM.com - Digital Hub
- Careers with STEM e-newsletters
- Careers with STEM app
- Careers with STEM career quizzes
- Other: _____

63. What organisations do you remember reading about in Careers with STEM?

Check all that apply.

- Google
- Commonwealth Bank of Australia
- Queensland University of Technology (QUT)
- University of Queensland
- UNSW
- Univerisity of Sydney
- Macquarie University
- Australian National University
- ANSTO
- ASIO
- CSIRO
- Australian Computer Society (ACS)
- Telstra
- Deloitte
- University of Adelaide
- Reserve Bank of Australia (RBA)
- UTS
- University of Melbourne

Thanks for completing our survey!

For your chance to win a one of 5 prize packs, please complete the following sentence in 25 words or less

64. The best way to help students prepare for careers of the future is to....

65. Any other comments?

