

Techgirls - Student post-competition survey

These questions form the post-program evaluation of the Tech Girls Movement Foundation's Techgirls STEM Entrepreneurship Competition.

As of November 2020, the Tech Girls Movement Foundation are 1 of only 7 Australian organisations evaluating their gender equity programs. We have been highlighted by the Women in STEM Ambassador's Office for providing best practice in evaluating STEM gender equity programs.

We provide these survey questions in good faith that you too may build effective evaluation into the over 330 gender equity programs running in Australia.

Where the other option is selected, the respondent is prompted to give an open-ended answer.

The respondent can only give one response unless specified below.

Where an asterisk appears, this means that the answer is compulsory.

SECTION 1

What type of school do you attend? *

- Co-educational
- Single-sex
- Other

Is your school? * (*Respondent can choose more than one answer*)

- Public (State School)
- Independent
- Catholic
- Private
- Other

What grade are you in at school? *

- Year 3
- Year 4
- Year 5
- Year 6
- Year 7
- Year 8
- Year 9
- Year 10
- Year 11
- Year 12

What activities does your school offer for students who are interested in science and/or computing? * *(Respondent can choose more than one answer)*

- Clubs
- Excursions
- Competitions
- Guest Speakers
- Other

Do you have any comments about the activities your school runs? *(Open-ended question)*

Have you previously participated in Techgirls (Previously Search for the Next Tech Girls Superhero Competition) *

- Yes
- No

SECTION 2

If you have previously participated in the competition, which year(s) did you do so? *(Respondent can choose more than one answer)*

- 2014
- 2015
- 2016
- 2017
- 2018
- 2019

Did your team submit all of their deliverables for this year's competition? *

- Yes
- No

If you did not complete the competition, briefly explain why not. *(Open-ended question)*

SECTION 3

Did you complete the student pre-competition survey for this year's competition? *

- Yes
- No

If you did not complete the pre-competition survey, please briefly describe what you liked and disliked most about participating in the competition. *(Open-ended question)*

SECTION 4

(Your coding knowledge (1 = Not Much, 5 = A lot))

How much knowledge of coding did you have before participating in the competition?

- 1 – 5

Do you think participating in the competition has improved your knowledge of coding?

- 1-5

If you go to university, which area are you most likely to study? * (*Drop-down menu*)

- Science
- Computing/Information Technology
- Engineering
- Medicine
- Teaching
- Other

Which 3 parts of the Techgirls competition did you find the most useful? * (*Respondent can choose more than one answer*)

1. Skills Matrix
2. Brainstorming
3. Problem Identification
4. Business Models
5. Branding, Logos & Colours
6. Paper Prototyping
7. User-Centred Design
8. Business Plan
9. Planning Your App & Code
10. Marketing
11. The Pitch
12. Creating a Storyboard
13. Creating a Wireframe
14. Debugging Your App
15. Finalising your Business Plan
16. Sharing Your Code
17. Finalising Your Videos
18. Submitting Your Entry
19. Other

Please tell us about any difficulties you had with any of the Activities 1 to 18. (*Open-ended question*)

Which element did you find the most difficult? (*Open-ended question*)

Using the emoticons answer the following statements * (*Strongly Disagree to Strongly Agree*)

- I had sufficient resources to be a successful participant *
- The coach provided the support needed *
- The mentor provided support and direction *
- Our team worked well together *
- We had enough time to complete the project *
- Having participated in the competition, I am more likely to consider a career in science or technology *
- Having participated in the competition, I am now more likely to start my own business *
- Having participated in the competition, I am now more confident about developing new ideas using technology *

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- I enjoy learning about technology *
- I understand science projects *
- I understand subjects using technology *
- I plan to use science or computing in my future career *
- If I learn a lot about technology, I will be able to pursue many different types of careers *
- My parents would like it if I chose a science or computing career *
- I like my science classes *
- I feel comfortable using computers *
- I can cope with not doing well on science and technology assignments *
- I know people who work in science and/or computing *
- I don't need to know about science to get a good job *
- I don't need to know about technology to get a good job *