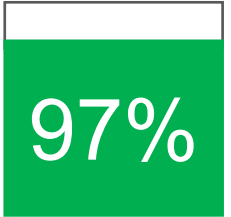


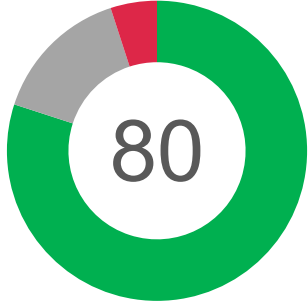
# BIOTech Futures Outcomes Survey Results Summary



176 responses

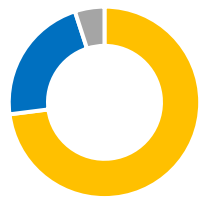


249 comments



### Engagement

- Favorable 82%
- Neutral 14%
- Unfavorable 4%



- Female 73%
- Male 22%
- Other 5%



- Year 10 50%
- Year 11 25%
- Year 9 17%
- Year 12 8%



- NSW 65%
- VIC 19%
- QLD 16%

We asked students about what **they value about the challenge** and how BIOTech Futures tracks against each of these.

We look forward to continuing to foster a culture that supports and uplifts the wellbeing and development of students and everyone involved.

### Our students favorite aspects of the challenge based on total comments:

- Teamwork/collaboration (75)
- Career Opportunities (50)
- Think creatively and critically (30)
- Mentorship (27)
- Wellbeing (24)
- Culture (16)

Outcome	Count	Percentage	Comments
Developed the confidence to pursue a STEM career	91	9%	27
Inspired pursuit in a STEM career	88	12%	36
Developed a better understanding of careers in STEM	82	18%	28
Developed problem solving skills	82	17%	29
Developed team building skills	80	17%	29
Feeling part of a learning community	76	21%	27
Growth and career development opportunities	72	27%	29

### Keywords:



## Pulse Overview

total responses

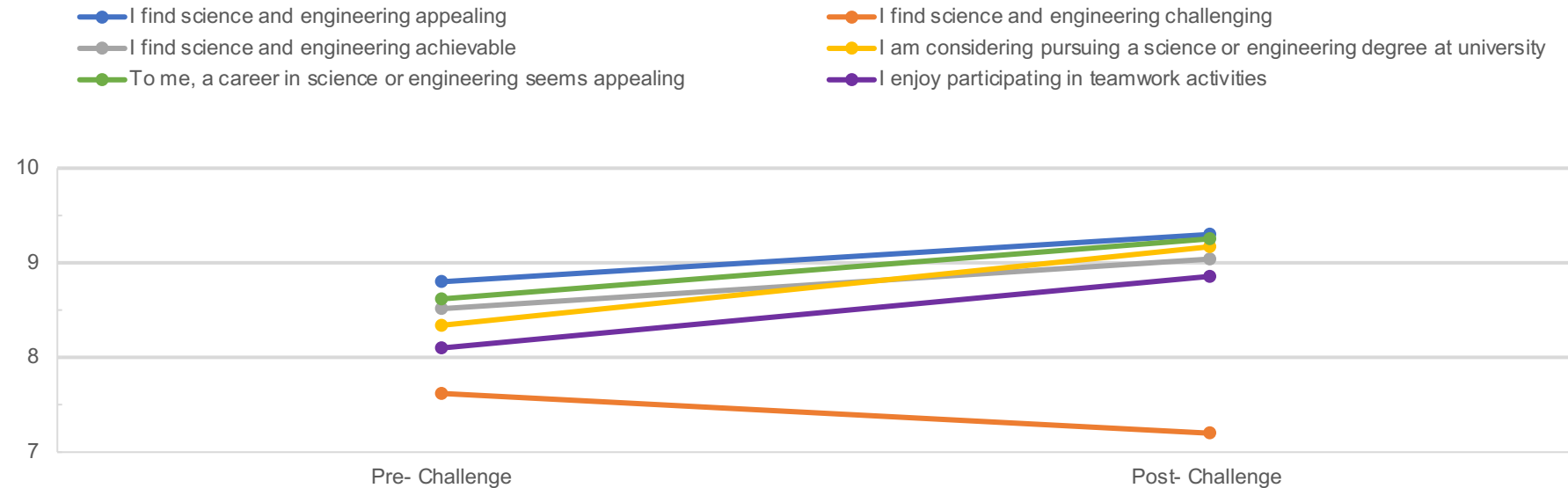
217

comments

44

response

92%



This survey was modelled based on a 2021 10-point questionnaire<sup>1</sup> developed and published in the Canadian Journal of Science, Mathematics and Technology Education, titled “When I Believe, I Can: Success STEMs from My Perceptions”. Each student was given 6 questions (labelled) before and after the challenge (6-weeks) and asked to rank them from 1-10 in level of agreeableness. Summarized above is the total average results of this survey.

<sup>1</sup>Kwon H, Capraro RM, Capraro MM. When I Believe, I Can: Success STEMs from My Perceptions. Can. J. Sci. Math. Techn. Educ. 2021;21(1):67–85. doi: 10.1007/s42330-020-00132-4. Epub 2021 Feb 17. PMID: PMC7888281.



# Comments and student feedback

*“Personally, I knew that I enjoyed science however wasn’t exactly sure where it could take me. After this, I feel I would really enjoy working with collaborative and creative people who share their love for science as me.”*

*“BIOTech Futures has made the idea of pursuing a career in STEM a lot more appealing to me. I am beginning to realise the vast possibilities which my future may offer.”*

*“I feel that BIOTech Futures pushes me towards looking outside of the box into different pathways and different ideas on what to solve. Things I never would have thought of originally.”*

*“The vast array of topics and the passion evident in every group’s presentation really inspired me to look into the scientific field for my future studies. I also formed some interschool connections and strengthened my teamwork skills throughout the process.”*

*“Both my teammates and I have broadened our understanding of what we can do with technology and what goes into developing a solution to biological issues. I have improved my creativity, open-mindedness and ability to think outside the box.”*

*“My team definitely strengthened our relationship as we got to apply our individual experiences, knowledge and creativity to everything.”*

*“Engineering and science was definitely an option to me prior to the BIOTech Futures Challenge. However, following the work we did during the process of developing a solution, STEM as a possible career path has become much more achievable as a student and woman.”*

*“I enjoy participating in teamwork activities more now. I think it is because I have seen more how enjoyable it can be when everyone in the team wants to be there (apposed to a school assignment) and works hard so that we as a team can do the best we can.”*

*“I have really enjoyed working in the BIOTech Futures Challenge because it’s a really good way to explore and develop my passions and learn about how scientists collaborate and communicate.”*

*“I have now gained experience reading formal scientific articles and journals, and in presenting my work and research.”*



# Comments and student feedback

*“This BIOTech Futures Challenge has enlightening me about the wide range of careers and topics you can study with a science or engineering degree. It was incredible to meet lots of people who share my passion for science and work together to produce our solution, plus a chance to be creative and build teamwork skills.”*

*“The BIOTech Futures Challenge has opened my eyes to the field of biomedical engineering and it’s niche issues that engineering is trying to solve.”*

*“I have learnt creative and critical thinking skills during the BIOTech Futures Challenge that has improved the way I approach my studies at school. I am now more confident and motivated to find a career in STEM. This was an unforgettable experience.”*

*“At school I thought learning science and engineering was just reading textbooks. BIOTech Futures has taught me it’s so much more and is really fun! I now feel a career in STEM is more appealing and achievable.”*

*“It has prepared me well for collaborating with different people and working together to solve a problem.”*

*“Met with team members and mentor every week and became friends with girls from different grades at my school.”*

*“Both my teammates and I have broadened our understanding of what we can do with technology and what goes into developing a solution to biological issues. I have improved my creativity, open-mindedness and ability to think outside the box.”*

*“I’m improved my skills of working as part of a team, prioritising where to direct what amounts of my time and energy and being more flexible and being able to continue working through last minute changes.”*

*“I was able to hear from lots of people with various science and engineering backgrounds, and see from their experiences how I can craft my future.”*

*“It has given me networking opportunities and an opportunity to meet new people.”*

*“BIOTech Futures showed me that every group member has valuable experiences they can bring to the team. From the start felt part of a community of keen scientists and engineers which is something I have never got to experience before.”*

*“Looking forward to signing up next year to compete again!”*

