



MindSET-do



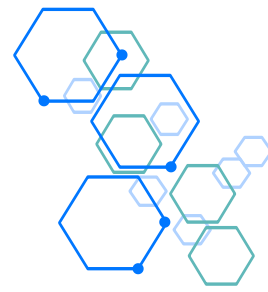
2025

PROJECT REPORT



Building Skills, Confidence, and Futures in STEM

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Developing
Confidence,
Capability,
and
Curiosity in
STEM

ABOUT US



Since 2019, MindSET-do has grown from a pilot program reaching 370 Year 6 students across 11 schools to engaging over 17,000 students from more than 220 schools across the Sunshine Coast, Moreton Bay, Fraser Coast, and regional Queensland.

Our programs provide hands-on, inquiry-based STEM learning for students, building confidence, problem-solving skills, and positive attitudes toward STEM before and during high school. We also support teachers, parents, and communities to strengthen STEM capability and create more inclusive pathways into future careers.

From 370
Students to
17,000+:
Growing STEM
Opportunities



Mission



01 Build Confidence

Support students to develop self-belief and a positive mindset toward STEM learning.

02 Strengthen Skills

Develop critical thinking, creativity, and problem-solving through hands-on, inquiry-based experiences.

03 Increase Access

Provide inclusive STEM opportunities for students, schools, and communities, regardless of background or location.

04 Support Educators and Communities

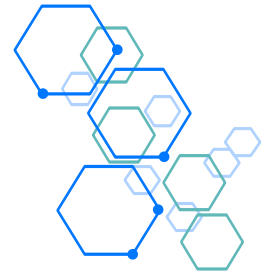
Equip teachers, parents, and communities with the knowledge and confidence to support STEM learning.

05 Inspire Future Pathways

Encourage interest in STEM subjects and careers, helping to create more diverse and inclusive futures.



Our Programs



School-Based Lessons (Primary & Secondary)

We deliver engaging, curriculum-aligned STEM lessons in both primary and secondary schools. Through hands-on, inquiry-based activities, students build confidence, develop problem-solving skills, and explore real-world STEM applications.

Community Engagement

Our community programs extend learning beyond the classroom, supporting families and local communities to engage with STEM. These initiatives help build awareness, confidence, and shared learning experiences in accessible and inclusive ways.

Events: Science & Engineering Challenges

The science and engineering challenges enable secondary students to apply their skills in fun, team-based environments. These events foster creativity, collaboration, and excitement for STEM learning.

Professional Development for Teachers & Preservice Educators

Our programs give UniSC students, preservice teachers, and classroom educators hands-on STEM experiences. Participants develop practical teaching strategies, explore emerging technologies, and gain confidence to inspire the next generation, fostering collaboration, creativity, and real-world application.

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Our Reach

Engaging 80 schools across Queensland through integrated school, community, and event-based STEM programs.

Sunshine Coast

Fraser Coast

Moreton Bay

Gympie

South Burnett

Beerwah State High School	Nambour State College	Albert State School	Beachmere State School	Humpybong State School	Goomeri State School	Cloyna State School
Beerburrum State School	Pacific Paradise State School	Maryborough State High School	Bellmere State School	Kallangur State School	Gympie Central State School	Moffatdale State School
Burnside State School	Peregian Springs State School	Yarrilee State School	Bray Park State School	Morayfield East State School	Gympie State High School	Murgon State School
Caloundra State School	Sunshine Beach State School	Xavier Catholic College	Bribie Island State High School	Moreton Downs State School	James Nash State High School	Murgon State High School
Chancellor State School	Talara Primary College	Hervey Bay State High School	Burpengary Meadows State School	Narangba State School	Mary Valley State College	Wondai State School
Coolum State High School	Mountain Creek State High School	Kawungan State School	Burpengary State Secondary	Narangba Valley State High School	Gunalda State School	Windera State School
Cooran State School	Mathew Flinders Anglican College	Torbanlea State School	Clontarf Beach State School	North Lakes State School	Glenwood State School	
Currimundi State School			Clontarf Beach State High School	Scarborough State School	Kilkivan State School	
Eumundi State School			Deception Bay North State School	Strathpine West State School	Victory College	
Glenview State School			Deception Bay State School	Tullawong State School	One Mile State School	
			Morayfield East State School	Eilimbah State School		



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School-based Lessons

MindSET-do delivers curriculum-aligned STEM programs for students in Years 4–10, designed to provide engaging, hands-on learning experiences that connect classroom concepts to real-world applications. Developed and delivered by experienced educators, the program supports students to build confidence in STEM while strengthening critical thinking, creativity, and problem-solving skills.

A key focus of the program is supporting students to make informed choices about their future learning and career pathways. Through exposure to STEM concepts, careers, and emerging technologies, students are encouraged to see themselves in STEM and challenge common stereotypes.

Through targeted funding, the program prioritises access for schools in the UniSC region with an ICSEA below 1000, ensuring equitable opportunities for students who may otherwise have limited access to STEM enrichment. Across all sessions, students are also introduced to the changing nature of work and the importance of adaptability, innovation, and lifelong learning.



Primary Lessons

- **Year 4 Serious Games Design**

Students design and program a serious game in Scratch to demonstrate how living things depend on each other and their environment for survival.

- **Year 5 Microdrones**

Students learn to program a micro drone using block-based coding to design solutions for real-world environmental challenges in their community

- **Year 6 Arduino Controlling Light**

Students explore how electrical energy controls light by building circuits and coding Arduino-powered flashing lights to synchronise with music.



Building Skills for the Future Through STEM Learning



Secondary Lessons



Creating
Confident,
Capable
Future STEM
Learners



- **Year 7 Self-driving cars**

Students explore the social, ethical, and environmental considerations of self-driving cars while designing and programming their own autonomous vehicle using Micro:Bits.

- **Year 8 Sustainable Neighbourhoods**

Students design a sustainable “20-minute city” using game technologies, applying the four pillars of sustainable neighbourhoods.

- **Year 9 Brain Health & Welbeing**

Students explore brain structure, function, and wellbeing, creating artistic models while investigating how the brain communicates.

- **All years - Career Drones**

Students explore drone technology and Python coding, progressing from manual flight to programming autonomous drones while building skills in problem-solving and industry-relevant STEM pathways.

Community Program

MindSET-do’s community programs are designed in consultation with regional communities to provide accessible and engaging STEM opportunities beyond the classroom. These initiatives aim to inspire the broader community while building confidence and awareness of STEM learning and career pathways.

We deliver a range of programs including STEM Discovery Workshops, robotics and coding clubs, and dedicated home school offerings. Through low-cost clubs, school holiday programs, and after-school activities across Sunshine Coast, Moreton Bay, and Fraser Coast campus locations, participants engage in hands-on experiences alongside educators and industry professionals. These programs particularly support prospective undergraduate students from low socio-economic backgrounds, providing ongoing exposure to STEM and pathways into further study and careers.

2025 ENGAGEMENTS

- Robotics Clubs – delivered in Gympie, Fraser Coast, and Moreton Bay regions.
- Code Clubs – offered on the Sunshine Coast and Moreton Bay campuses.
- Home School STEM Clubs – ongoing sessions on the Sunshine Coast campus.
- STEM Discovery Workshops – engaging students and their parents at Fraser Coast, Sunshine Coast, and Moreton Bay campuses.
- Campus and School Outreach – including Solid Pathways event, Go for Gold Science session at UniSC Gympie, and Micro:bits session at Riverside Christian College Distance Ed Connect Day.
- Supporting UniSC Marketing with VR outreach, judging immersion days and participating in the STEMM Stroll at Sunshine Coast campus.
- Delivery of Career Drones activity at Bellmere State School immersion days.
- Ongoing Partnerships – Bright Spark after-school program at Caloundra State School



Events



The Science and Engineering Challenge (SEC) Secondary is a nationwide STEM outreach program delivered in partnership with the University of Newcastle and MindSET-do Events. In 2025, 381 Year 9 and 10 students from 15 schools participated across two full-day events held at Gympie and Fraser Coast campuses. Students engaged in hands-on STEM activities, including designing earthquake-proof towers, building bridges, supplying electricity to a city, and creating Indigenous-inspired fish traps.

The Gympie event was delivered in collaboration with UniSC Gympie campus, the Rotary Club of Gympie, the Lions Club of Gympie, and the Queensland Hydro team, while the Fraser Coast event was run with UniSC Fraser Coast, the Rotary Club of Hervey Bay City, and Fraser Coast City Council. These partnerships provided valuable local support and enhanced the student experience.

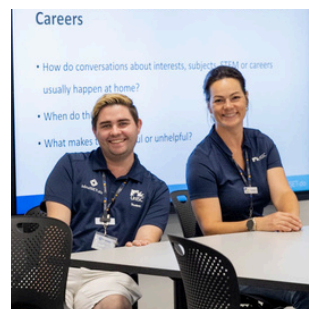
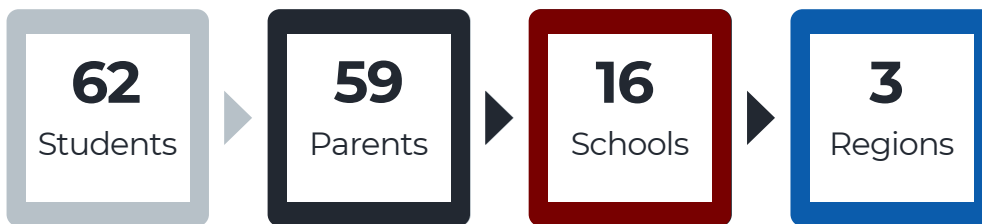
The SEC gives students opportunities to explore STEM beyond the classroom, while event staff and volunteers engage with both students and teachers to highlight the importance and relevance of STEM learning. Each student received five contact hours of interactive STEM learning during the day, fostering practical skills, problem-solving, and curiosity in science and engineering.



STEM Discovery Workshops

In 2025, our STEM Discovery Workshops engaged Year 7 students and their parents or carers through a combination of in-person and online sessions. In-person workshops were held at UniSC campuses on the Sunshine Coast, Moreton Bay, and Fraser Coast, offering hands-on STEM activities, guided reflection, and discussions about future study and career pathways. Online webinars extended the program's reach, celebrating student achievements, exploring STEM careers, and engaging participants in interactive STEM activities led by our experts.

These workshops helped families connect classroom learning with real-world STEM applications and inspired students to consider future opportunities in STEM.



Exploring
STEM
Together:
Inspiring
Students
and
Families

Primary Lessons

Student Impact (Years 4–6)

Percentages shown are averages across all participating primary year levels (Years 4–6)



Aspiration:

- 79% of students across Years 4–6 reported they want to complete Year 12, showing the lessons support long-term educational goals.



Sense of Belonging:

- 89% of students said they would participate in similar lessons again, highlighting strong engagement and enjoyment.



Confidence:

- 76% of students feel more confident participating in STEM activities, demonstrating increased self-efficacy in science and technology.



Career and Study Expectations:

- 65% of students feel more confident about making decisions regarding future careers and study options.



Satisfaction:

- 91% of students enjoyed the lessons, confirming high overall satisfaction with the learning experience.

Shaping Futures Through Early STEM Experiences



Secondary Lessons

Student Impact (Years 7–10)

Percentages shown are averages across all participating secondary year levels (Years 7–10)



Aspiration:

- 77% of students want to complete Year 12, and 64% reported increased interest in STEM, showing the programs support both long-term education and engagement in STEM subjects.



Sense of Belonging:

- 86% of students said they would participate in STEM activities like this again, highlighting strong engagement and enjoyment.



Confidence:

- 70% of students feel more confident about making career and study decisions, demonstrating growth in self-efficacy and future planning.



Career and Study Expectations:

- 78% of students believe it is possible to attend university or TAFE, indicating the programs help broaden post-school pathways.



Satisfaction:

- 92% of students enjoyed the STEM activities, with 86% stating they would recommend them to others, confirming high overall satisfaction and peer influence.

Growing Confidence Through Hands-On STEM Learning



Community

Student Impact

Percentages shown are averages across all participating community year levels



Aspiration:

- 75% of participants want to complete Year 12, and 73% reported increased interest in STEM, showing the programs encourage long-term education and engagement.



Sense of Belonging:

- 78% of participants said they would take part in similar STEM activities again, highlighting strong engagement and enjoyment.



Confidence:

- 80% of participants feel more confident about making career and study decisions, demonstrating growth in self-efficacy and future planning.



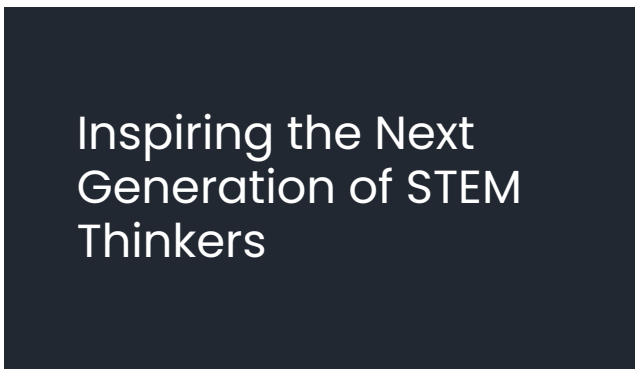
Career and Study Expectations:

- 69% of participants believe it is possible to attend university or TAFE, indicating the programs help broaden post-school pathways.



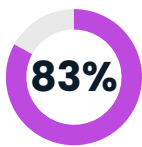
Satisfaction:

- 89% of participants enjoyed the STEM activities, with 80% stating they would recommend them to others, confirming high satisfaction and peer influence.



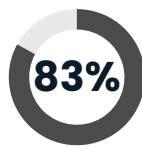
Science & Engineering Challenges

Student Impact



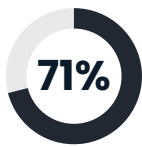
Aspiration

of participants want to complete Year 12, and believe it is possible to attend university or TAFE in the future, showing that events encourage long-term education and STEM pathways.



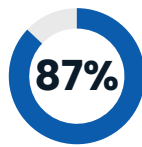
Expectations

of participants feel it is possible for them to pursue university or TAFE, highlighting the events' role in broadening post-school opportunities.



Confidence

felt more confident participating in STEM activities.



Satisfaction

enjoyed the STEM activities, and 84% would participate in similar events again, confirming high engagement and positive experiences.

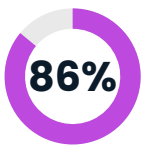


Applying STEM Skills in Real-World Challenge Environments

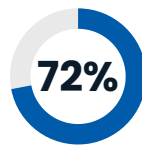


STEM Discovery

Student Impact



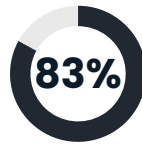
Aspiration
of participants reported a better understanding of how school subject choices influence future STEM study and career



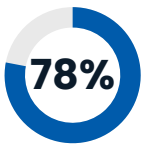
Confidence
feel more prepared to make STEM-related subject choices at secondary school.



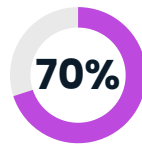
Aspiration
said the workshops clearly demonstrated how STEM skills are applied in real jobs and future careers.



Satisfaction
agreed that hands-on STEM activities improved their understanding of STEM concepts and careers.



Sense of belonging
of participants have increased confidence engaging with STEM subjects and activities



Awareness of Pathways
felt the workshops helped them better understand different pathways into post-secondary STEM study and careers, such as Headstart programs or university.



Inspiring the Whole Family to Discover STEM