



Deadly in Generation STEM

Connecting traditional knowledges to STEM pathways through culture and on Country.

Deadly in Generation STEM aims to increase the engagement and retention of Aboriginal and/or Torres Strait Islander students in STEM educational pathways and foster understanding and respect for Aboriginal and/or Torres Strait Islander people and their contributions to STEM.

The program is being delivered through a community-driven approach in the Illawarra-Shoalhaven, Moree-Narrabri and surrounding areas where growing industries will generate new STEM jobs over the coming years.

Why participate?

Deadly in Generation STEM takes an interconnected approach to supporting teachers and students through building their confidence and knowledge of the cultural connections to STEM pathways.

Teacher Professional Learning connect the STEM curriculum to Indigenous science to foster culturally responsive school environments

Student STEM Camps strengthen students' cultural pride, community relationships and knowledge, and connections to STEM pathways



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Participating students have reported stronger connections with local Aboriginal knowledges, and an increased sense of belonging. The program has also improved their awareness and interest in STEM and culture.

Teachers reflected on feeling more confident in the delivery of Indigenous STEM inquiries and are seeing a greater level of engagement from students in STEM.

Program details

Teacher Professional Learning

- Targets primary and secondary school teachers.
- Designed to inspire and support teachers in delivering Indigenous STEM inquiries to increase engagement and achievement of all students in STEM subjects.
- Supports schools in establishing and maintaining genuine and strong community connections.
- Delivered via a combination of face-to-face workshops, reflection sessions and webinars over a two-year period.

Student STEM Camps

- Targets Year 8 -10 Aboriginal and/or Torres Strait students.
- Co-designed and delivered with local Knowledge Holders and Indigenous STEM professionals.
- An immersive student experience on-Country that support students to strengthen their cultural pride, Community connections, and aspiration to pursue STEM pathways.
- An opportunity to reengage as Ambassadors to inspire peers and participate in other STEM events and learning.

I've realised that STEM links up with a lot more culture. I think I might do something with STEM in the future. I learnt how important Indigenous science is, as like a foundation for science we have today

- Student

It's increasing our capacity to deliver the curriculum in a meaningful way

- Educator

Find out more

The program is free to participate and is available in the Illawarra-Shoalhaven, Moree-Narrabri and surrounding areas. To register your interest, contact the Generation STEM team.

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