

2019 STEM ABORIGINAL STUDENT CONGRESS

A HIGH EXPECTATIONS EVENT

LIVING TWO WORLDS

The Young Aboriginal STEM Thinkers of South Australia (YASTSA) invite Aboriginal Year 5 to Year 10 students to apply to attend the 3rd Annual STEM Aboriginal Student Congress.

The STEM Aboriginal Student Congress is a South Australian department initiative to engage and inspire the next generation of young Aboriginal scientists, technologists, engineers and mathematicians. Co-facilitated with the YASTSA, the congress connects Aboriginal learners to STEM through a range of interactive and challenging STEM experiences designed to demonstrate that Aboriginal students are powerful STEM learners and lead thinkers.

This application process has been developed to identify students with a passion and aptitude for STEM.

Applications close Friday 12th April 2019.

MAY 27TH AND 28TH
ADELAIDE CONVENTION CENTRE



Government
of South Australia
Department for Education



About the Congress

In 2017, 93 Aboriginal students and 60 teachers and educators participated in the inaugural STEM congress. In 2018 this grew to 220 and 180 respectively. This STEM initiative aims to encourage Aboriginal students to choose STEM subjects in Year 11 and Year 12, thereby providing greater learning but also a broader understanding of future career pathway options. The congress is co-designed and facilitated by the Young STEM Thinkers of SA (YASTSA), STEM teachers, Aboriginal undergraduates, STEM/Industry experts and education leaders.

The YASTSA students and teachers represent the following schools:

- Port Augusta Secondary School
- Ceduna Area School
- Henley High School
- Port Lincoln Primary School
- Port Lincoln High School
- Woodville High School
- Salisbury High School
- Playford International College
- Loxton Primary School
- Wirreanda Secondary School

This is a **high expectations** conference. Attending students, teachers and guests are expected to actively engage in critical thinking and enquiry based learning. Connections to culture and STEM are integral to the design of the STEM Congress program and much work has been done to facilitate this with our internal and external stakeholders.

Previous STEM investigations have included: Forensic Science, Biomechanics, Water Filtration, Robotics, Dance and Astronomy. These are conducted on-site and off-site at various locations along the North Terrace precinct. This year the program will be expanded to include masterclasses and workshops for teachers and caregivers.

Information for Schools

All students must complete the attached application form.

Students who attended previous STEM congresses will be automatically accepted when they submit their 2019 application.

Each school has been allocated places for two new students. Any nominations beyond two new students will be placed on the waiting list.

All students must complete their own application and demonstrate:

- a positive disposition to learning;
- effective interpersonal, leadership and collaborative skills;
- a willingness to explore and learn how STEM connects to culture and people.

Successful applicants require approval from parents/caregivers and the School Principal to attend the congress including approval to be photographed/filmed during the event for promotion and reporting purposes.

Two TRT days will be provided to each school to cover teacher relief. Financial support for travel and accommodation will be provided after this event.

CONTACTS:

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Next steps:

- Applications close, 5pm Friday 12th April, 2019.
- Applications reviewed and successful applicants notified.
- Wait list applicants notified.
- Program distributed. Students required to nominate preferred workshops (subject to change).
- Finalise travel and accommodation.
- Attend Congress.
- Critical reflection and evaluation.

APPLICATIONS CLOSE: 5pm Friday 12th April, 2019

"I would like to allow other people to know this knowledge by acknowledging all of the science behind our culture because it's really interesting!"

"Traditional Aboriginal people are scientists, they used trial and error to work out how to use the plants in the environment."

"I found it interesting when they talked about astronomy and all the stars and how they all had this Aboriginal dream story to tell."

2019 STEM ABORIGINAL STUDENT CONGRESS APPLICATION FORM

A HIGH EXPECTATION EVENT THEME: LIVING TWO WORLDS

APPLICATIONS CLOSE: 5pm Friday 12th April, 2019

Students may be assisted to complete this form but it must be in their own words.

Complete one application per student and email to leanne.milazzo2@sa.gov.au

STUDENT NAME:											
AGE:		YEAR LEVEL:		GENDER:	M	F	OTHER				
SCHOOL:											
Have you attended the STEM congress previously? If yes, tick year.				2017		2018					
Tell us what you think STEM is?											
Tell us about yourself and what you like learning about?											
What are your aspirations when you leave school?											
What job do you think you will have when you are 30 years old?											
STEM JUMPER SIZE	(Armpit to armpit measurement cm)										
	8	10	12	XS	S	M	L	XL	2XL	3XL	
CONTACT TEACHER:											
CONTACT PHONE:											
CONTACT EMAIL:											



Consent Form – Child/Student

Permission to use image, video, voice, and/or creative work of students and children

The Department for Education develops teaching, learning and promotional materials and publishes them in print and digitally (eg on websites and social media accounts). Students also publish their own materials on websites (eg school website, department website, Scootle™, iTunes™ or other online environments).

By completing and returning this form, I grant permission for the Department for Education to create/use:

- photographs, video or audio recordings of my child
- samples of my child's work
- my child's first name and school/preschool/service name

and to distribute them in the following locations:

- printed publications (eg newsletters, year book, promotional material)
- secure intranet websites and publicly accessible websites, including social media accounts.

The permission will continue until I revoke permission in writing to the principal of the school, director of the preschool or manager of the service.

Any material placed on publically accessible websites under a CC-BY-NC licence will be available to download and use. This licence is perpetual (forever), free, worldwide, non-exclusive and allows for the replication, distribution, display, performance and remixing of copyrighted work for non-commercial purposes, provided that the author is credited.

Notes

- Items might not appear in exactly the form in which they have been submitted and not every item for which permission is granted will be used.
- Items which contain images/references to Aboriginal and Torres Strait Islander people may be accompanied by warning text to indicate that the work may include people who have passed away.
- Where permission is revoked, every effort will be made to remove relevant media from distribution, however this may not be possible or practical in some situations.

Signatures

Additional optional permissions (tick if yes)

- ☐ I also grant permission for my child to be photographed/recorded by external media organisations for publication/broadcast.

Name of child/student:

(Full name - please print)

Name of school/service:

Parent/guardian's signatures:

(Parent/guardian to sign)

(Parent/guardian to sign)

Full name of parent(s)/guardian(s):

(please print)

(please print)

Date: _____

Please provide signatures of both parents and/or guardians where possible.

This form must be filed in a central location at the school