

BALANCE IN LEARNING
TECHNOLOGY / WELL-BEING / ENVIRONMENT

Welcome to our 7th
REGIONAL DAY OUT
2019
ADELAIDE
15TH NOVEMBER 2019
ADELAIDE ZOO

THEME

Balance in Learning

TECHNOLOGY | WELL-BEING | ENVIRONMENT

Learning Environments Australasia's SA Chapter is excited to present the 2019 Regional Day Out on the theme "Balance in Learning: Technology, Well Being and Environment".

On this thought-provoking day, educators and designers will be immersed in a series of keynote presentations and site tours that will touch on some of the key challenges that will define the idea of education for the future.

In this context, our presenters will delve into both the purpose of learning and the challenges on what the future may actually become.

We often hear the term "a complex and rapidly changing world".

What does that actually mean for educators and students? How do the next generation of young learners respond to the big challenges they will invariably be left to engage with? What skills will educators and students need for successful problem-solving, leadership and teamwork to tackle the "Big World Issues" that we are now all exposed to on a daily basis?

And, of course, what type of learning environments do we need to nurture a resilient level of human nature to support these skills and challenges?

Come and hear Alistair Brown, Dr Sarah Baker and Tim Jarvis AM provide some amazing insights into these big issues through their own outstanding journeys of action and leadership, backed up with site tours to some of South Australia's most innovative responses to learning environments that will support and encourage our next generation of young men and women.

PARTNERS

MAJOR PARTNER



LANYARD PARTNER



CLOSING DRINKS PARTNER





JOHN GARDNER MP MINISTER FOR EDUCATION

John Gardner was elected to the South Australian Parliament as the Member for Morialta in 2010. He was appointed as the Minister for Education in the Marshall Government, in March 2018. He is also the Leader of Government Business in the House of Assembly. John previously served as the Shadow Minister for Education for two years prior to becoming the Minister. He has also been Shadow Minister across various portfolios including Multicultural Affairs, Police and Correctional Services and Manger of Opposition Business in the House of Assembly. John is the son of English migrants. His mother came to Australia from the United Kingdom in 1968 and spent several years working as a nurse with aboriginal communities in the Northern

Territory before moving to Adelaide. His father migrated in 1946 and after a range of other careers started a water treatment manufacturing business in Glynde, which operated successfully for several decades. Having grown up in Rostrevor, and now living in Athelstone, John has lived most of his life in the seat of Morialta and worked in his family business while completing his secondary and tertiary education. John has worked closely with all levels of Government, gaining a broad policy experience in education policy, as well as drug and alcohol prevention and rehabilitation. He understands the challenges facing small business, and the importance of giving our children the best start in life through education.



AMANDA BLAIR MC

Amanda Blair is a multi-talented personality, passionate charity worker and supporter of various social services and organisations. Amanda is a Board member of The Independent Gambling Authority, The South Australian Housing Trust, Nature Play SA and is Co-Chair of the Premier's Council For Women. She previously sat on the Social Inclusion Board and the Adelaide Festival Board, the Suicide Prevention Strategy group and was a founding member of

the Contemporary Collectors at the Art Gallery of South Australia. She's the Ambassador for the Hutt Street Centre, Time For Kids, The Bedford Group and Foundation Shine. She's also a competitive baker. In 2012 she received a Blue Ribbon at the Royal Adelaide Show for her Marble cake and for Slices – three varieties – 2 of each unbaked or baked. The judges said they had never seen such precision in slice cutting.

DAVID KILPATRICK CHAIR LEA SOUTH AUSTRALIA CHAPTER

David is current Chair of the Learning Environments Australasia SA Chapter. David is a Director of Kilpatrick Architecture, a practice specialising in the design of learning spaces. The practice brings to this speciality a child-focused and community-centred

approach, as well as over two decades of experience. David is passionate about working with school communities to create better learning environments which support and respond to the pedagogy, and which work for students, staff, families and communities.



CHRIS BRADBEER REGIONAL CHAIR LEA AUSTRALASIA

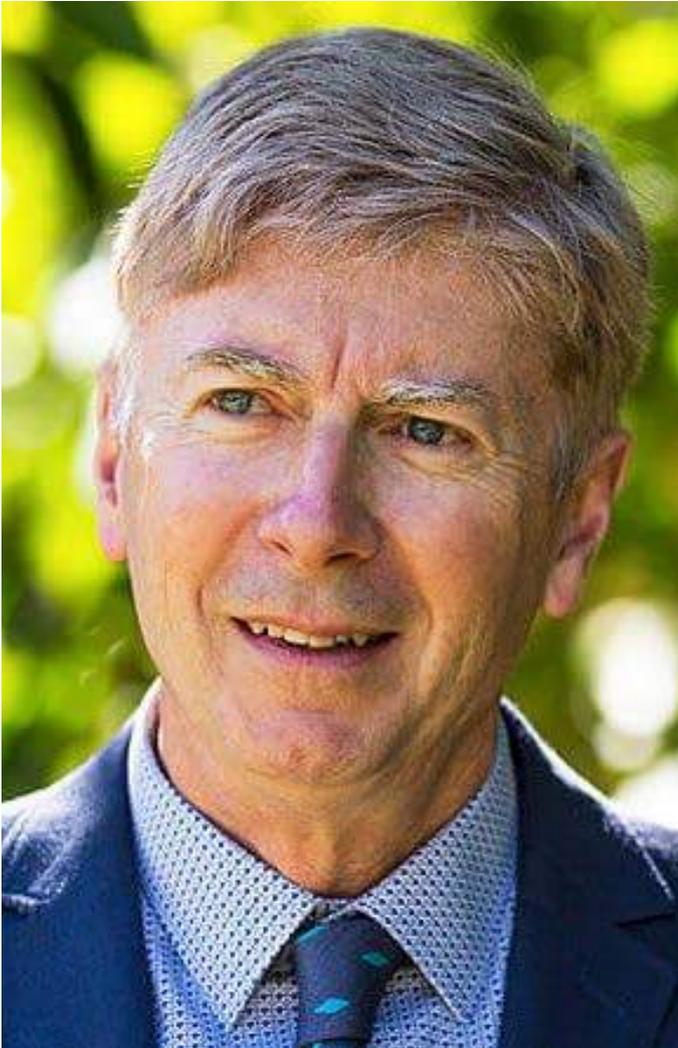
Chris Bradbeer is our current Regional Chair and an Associate Principal at Stonefields School in Auckland, New Zealand. Being part of a leadership group involved in developing a vision for teaching and learning, building teacher capacity in order to raise student achievement levels, and having the opportunity to consider 'what might

be possible' in a new school setting, has provided much of the impetus behind his interest in school learning environments. He is also a Research Fellow on the current ILETG project and engaged in his own PhD studies investigating teacher collaboration in Innovative Learning Environments.

KEYNOTE

Alistair Brown

PRINCIPAL ADELAIDE BOTANIC HIGH SCHOOL



Embracing the potential of 21st century learning, cutting edge technologies, innovative pedagogies and ground-breaking learning environments, Alistair brings a deep understanding of the purpose of education for the future. Educational leaders face uncertainty and turbulence during times of leading change and pioneering new learning frontiers. As an experienced educational leader and through a range of educational leadership roles he has consistently committed to leading pedagogies, curriculum, learning spaces and skills that will address and provide for the needs of students in a complex, rapidly changing, media-saturated, highly connected, information and technology rich world.

By embracing a new paradigm of education, with fantastic new challenges and as yet unthought-of possibilities, he has led the development of the newly opened Adelaide Botanic High School as the inaugural Principal.



KEYNOTE

Dr Sarah Baker

ADVANCED TECHNOLOGY PROGRAM MANAGER DFE



Sarah has a Bachelor of Science from Adelaide University, an honours degree and PhD in Molecular Biology. Following a short post doc at SA Water working on the blue green algae *Cylindrospermopsis raciborskii*, she worked at Flinders Medical Centre in Neuroscience on the pain sensing involved NK-1 gene. During her PhD studies Sarah enjoyed demonstrating for microbiology practicals leading her to a Graduate Diploma of Education at Adelaide University and teaching at Valley View Secondary School.

In 2016 she started work in the Department for Education Corporate Office as the Manager of the Advanced Technology Program which is part of the Defence Industry Skilling and STEM strategy. The ATP aims to help reduce skills shortages in defence industry by increasing the pool of STEM educated students and informing Australia's youth about employment opportunities and pathways into defence industry and increase student awareness of defence industry as an employer of choice.



Having the opportunity to see 24 core ATP Schools and their STEM programs in action has been a fantastic way to look at best practice for STEM and Industry links in South Australia and share with other schools through the Department for Education Learning Improvement division and networks including Catholic and Independent Schools. It's exciting to see the current and future opportunities for Defence Industry careers in South Australia for our students.



KEYNOTE

Tim Jarvis AM

EXPLORER / ENVIRONMENTAL SCIENTIST



Tim Jarvis AM is an environmental scientist, author, adventurer and public speaker with Masters degrees in environmental science and environmental law. He is committed to finding pragmatic solutions to major environmental issues related to climate change and biodiversity loss. A Senior Associate of global engineering firm Arup, Tim is also sustainability adviser to leading organisations within the Australian insurance and housing strata management industries as well as on multilateral aid projects in developing countries for organisations including the World Bank and Asian Development Bank. He is brand ambassador for outdoor gear company Kathmandu.

Tim has undertaken unsupported expeditions to the world's remotest regions, including to the South Pole, High Arctic and across the Great Victoria Desert, and is well known for his historically authentic recreations of the polar survival journeys of heroic era explorers Sir Douglas Mawson and Sir Ernest Shackleton. His current environmental project 25zero aims to raise awareness of climate change by focusing on the world's disappearing equatorial glaciers.

After over two decades of polar travel and work as an environmental scientist, Tim is a sought-after public speaker, applying the lessons he has learned throughout his expeditions to talk about leadership, problem solving, teamwork, change management and goal setting in an organisational context.





ALISTAIR BROWN
PRINCIPAL ADELAIDE BOTANIC HIGH SCHOOL

Building a school from scratch provides Alistair with a unique insight into our theme of “Balance”. Alistair will provide his thoughts on what it takes to build new learning frontiers from the ground up.



DR SARAH BAKER
ADVANCED TECHNOLOGY PROGRAM MANAGER DFE

Sarah is at the cutting edge of aligning learning pathways with industries of the future, providing support for STEM programs that inform students on a new world of possibilities.



TIM JARVIS AM
EXPLORER / ENVIRONMENTAL SCIENTIST

Tim’s first hand experience with the impact of climate change continues to inspire his message for the next generation of student leaders and the balance of qualities they will need to successfully influence and negotiate large scale change.



AMANDA BLAIR
MODERATOR

Amanda joins us again after a successful 2016 Regional Day Out to moderate and prompt the Panel and audience for a lively session!

ADELAIDE ZOO

Our Venue



Adelaide Zoo, one of Adelaide's most iconic attractions, is home to more than 2,500 animals and 250 species of exotic and native mammals, birds, reptiles and fish exhibited over eight hectares of magnificent botanic surroundings.

Adelaide Zoo is the second oldest zoo in the nation and represents a significant part of South Australia's heritage and social history. Since Adelaide Zoo first opened to the public in 1883, generations of South Australians have shared in the wonder of a visit to the zoo.

It's a relaxing green city oasis and vibrant sanctuary that gives you the feeling of stepping into another world. It's full of diversity, colour and unique things to see and do. It offers an intimate zoo experience speckled with elements of curiosity, fantasy, fun and surprise.

Adelaide Zoo is the only major metropolitan zoo in Australia to be owned and operated by a conservation charity, Zoos SA.

ADDRESS: Frome Road, Adelaide



PROGRAM

15th November 2019

8:30am	Registration & Coffee
9:00am	Welcome - Chris Bradbeer, Regional Chair LE Australasia
9:10am	Welcome to Country
9:15am	John Gardner MP, Minister for Education to Open
9:30am	Keynote 1 Alistair Brown
10:15am	Keynote 2 Dr Sarah Baker
11:00am	Morning Tea
11:30am	Keynote 3 Tim Jarvis AM
12:15pm	Panel - Tim Jarvis AM Alistair Brown Dr Sarah Baker
1:00pm	Lunch
2:00pm	Tours & Workshops
4:00pm	Tours Return Thanks & Invite to Drinks & Networking David Kilpatrick, SA Chapter Chair
4:30pm	LEA Members AGM (All Welcome)
5:00pm	Close

Adelaide Botanic High

COX ARCHITECTURE & DESIGN INC



Botanic High locates a STEM focussed and contemporary vertical school in a beautiful parkland setting, combining science and nature in a connected learning environment. The pedagogical vision that has driven the design fosters students as innovative and creative learners, providing young people with a range of experiences, ideas and perspectives.

The school is deeply integrated into an established education and cultural precinct in the north-east corner of the city, set within the parklands and adjacent to the Botanic Garden, Zoo, universities and associated buildings along Frome Road.

Botanic High has been conceived as a vertical high school with an 'active' atrium as the central community heart between the repurposed and new buildings. It creates a multi-disciplinary vertical learning environment that allows a high degree of visual and physical connectivity between floors. The vertical nature of the building offers opportunities for collaboration and connection not available in a traditional school setting.



Pridham Hall, University of South Australia

JPE DESIGN STUDIO & SNOHETTA



“The Heart of the Uni SA City West Campus”

Pridham Hall is a transformative strategic project for the University of South Australia. Pridham Hall is in every sense a welcoming public place, engendering a genuine sense of community ownership and engagement, and promoting the University as an inclusive and progressive education provider.

The new heart of the Uni SA City West campus, Pridham Hall accommodates over 2,000 students and guests for graduation ceremonies, providing flexible office and function areas, a multi-purpose sports facilities including a hall with multi-use courts and 25m pool, and accessible external public realms including an amphitheatre and green terraces area for students, visitors and the Adelaide community. An extremely important aspect of Pridham Hall project is its contextual design response, its integration with surrounding urban landscape and its connection to the adjacent public spaces.

Sustainability is at the heart of all Uni SA operations, and every aspect of the building meets the university’s stringent Environmental Sustainability Policy.



Adelaide University Medical and Nursing School

LYONS ARCHITECTS



The Adelaide Medical & Nursing Schools project is a new campus facility at the west end of North Terrace, forming a clearly identifiable new presence for the University of Adelaide in the State's developing Biomedical Precinct.

The project embodies the University's tradition of medical teaching and research and aims to capture the excitement of discovery in undergraduate programs. As an extension of the University of Adelaide's city campus the new building comprises a set of cohesive components which add together to create a distinctive built form, one that represents the programmatic diversity contained within and one which is expressive of the public nature of its function.

The design seeks to capture the spirit of the existing main city campus by referencing familiar characteristic features, such as an expanded North Terrace forecourt, terracing, connecting stairs, unique interstitial social spaces and familiar building materials.



CBC Centre for Innovation and Learning

SWANBURY PENGLASE



As a new iconic address for the CBC Senior Campus, the Centre of Innovation and Learning provides a new public entrance with supporting Administration spaces as part of a new modern 3 storey educational facility.

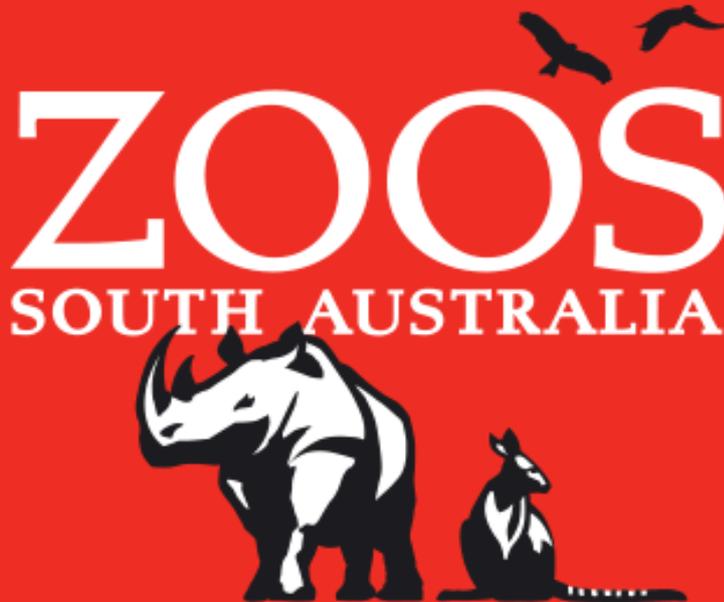
This new dynamic multidisciplinary building includes quality specialised areas for Music, Science, and Art for the predominant use by Senior students, with all supporting collaborative, study & maker spaces. The building's design strongly references the use of crystallised geometric forms, with associated complex mathematics and will expose some building elements as an added learning experience for all students.

The new building will also improve circulation connectivity with new multiple upper Links and includes an open Roof Deck, specifically designed for student led STEaM & ESD experiments. Internally, the use of natural materials with simple colours and textures will create a high-quality learning environment, complemented by controlled natural and artificial lighting, refined acoustics, fresh air movement and internal planting.



INSIGHT EVENT

Zoos South Australia Learning



WORKSHOP #1

Designing animal homes – An ICT STEM Zoo journey – PD for teachers.

Adelaide Zoo Learning presents a new inquiry approach where students compare historical attitudes and contemporary approaches to animal welfare and conservation by exploring and designing their own animal enclosure. This PD is for Upper and Middle Primary and Middle Years teachers. In this 2 hour workshop, teachers explore how students take control of their learning and create real life solutions to pressing conservation and sustainability challenges, using STEM processes and ICT.

What is the Designing animal homes – STEM Zoo Journey?

1. A practical guide to designing STEM and ICT thinking and processes.
2. A three part resource that guides you through an exploration phase at school, a data capturing phase at the zoo and a design, sharing phase back at school.
3. A multi-layered approach with free teacher professional development sessions.
4. A program where educators and students can participate with minimal to high ICT knowledge / experience.

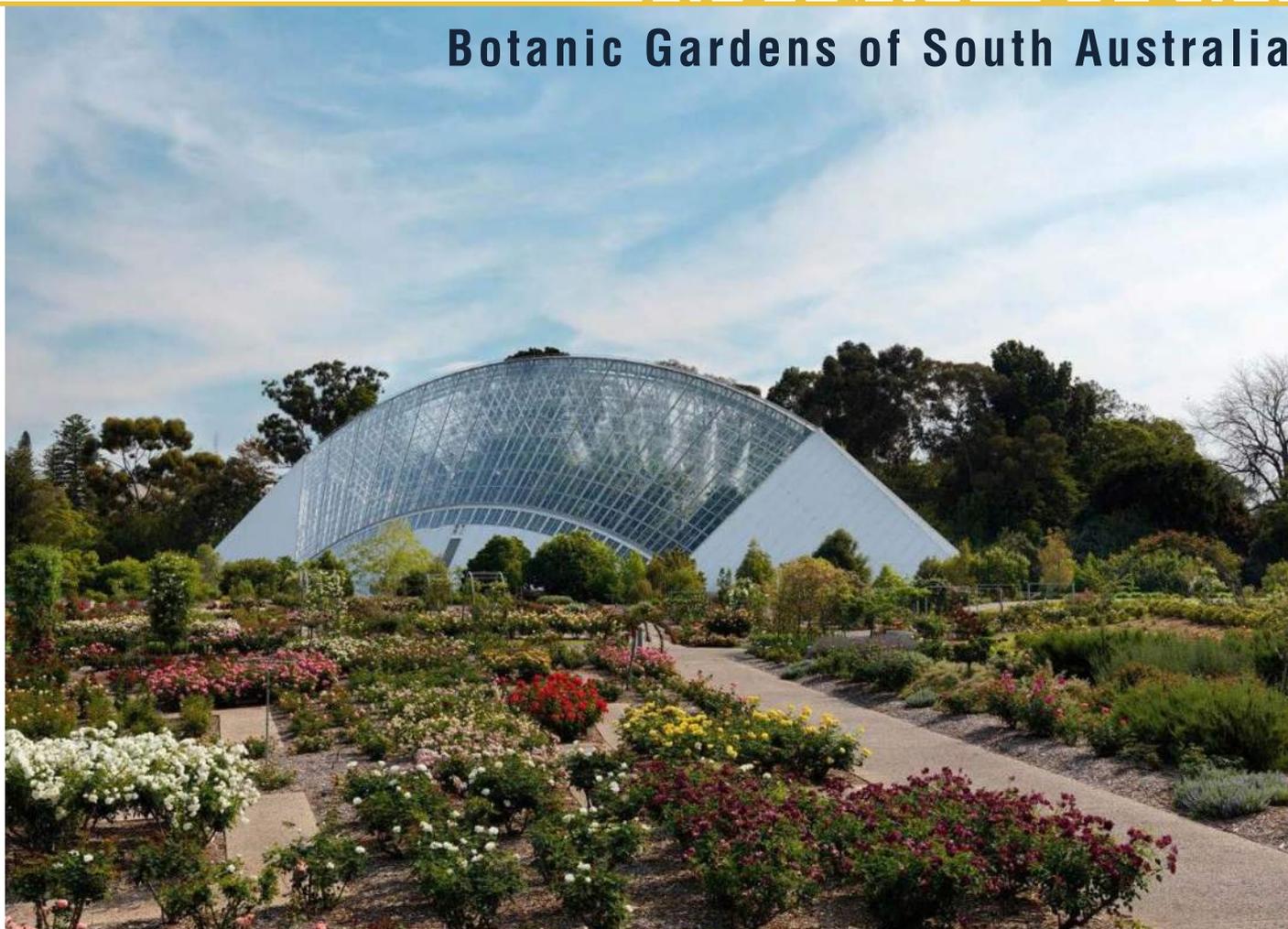
5. Designed to engage students in multidisciplinary thinking in a real world context.

To ensure you make the most out of your STEM: Enclosure Design PD session, we kindly ask that the following preparations are made with respect to personal technology:

- Please bring an iPad with latest iOS and app updates complete.
- Please download the ZoosSA book “Enclosure Design: A STEM journey in animal conservation” from the Apple Book Store on your iPad**.
- In the Book Store, search ‘ZoosSA’ or tap the following link:

**If you are unable to download from the book store,(reasons such as School-managed iPad or no AppleID), You can directly download the resource and open in the Books app.

Botanic Gardens of South Australia



WORKSHOP #2

Three Education programs for Educators

Visit some of the hidden gems at the Adelaide Botanic Garden. Our staff will lead you through the Little Sprouts Kitchen Garden, First Creek Wetland and Santos Museum of Economic Botany. See how each of these areas are used in our education programmes, giving participants a sense of both the value of bringing school groups to our gardens, as well as concepts that can be taken back to other learning environments.

- Kitchen Garden – The role of gardens in connecting children with nature and healthy lifestyles (including the value of growing your own food and maintaining a psychological connection to nature). Includes our Early Years, STEM Primary Years and teacher professional development offerings, with a special focus on pollinators, native bees, and other adult learning potential opportunities.
 - Wetlands – We investigate water conservation, the importance of role of wetlands in capturing, cleaning and storing water, and how the First Creek Wetlands will help us meet the Botanic Garden's sustainability targets.
- MEB – Visit one of the world's only botanical museums. Learn about the role of a Museum of Economic Botany, and

the use of fibres, seeds, plants in a historical and contemporary context.

From connecting children with nature to underpin psychological wellbeing, to healthy eating and food security, to uncovering more than a century of botanical discovery, our gardens offer a wealth of educational opportunities for children and adults of all ages.



REGISTRATION

PRICING (INC. GST)

MEMBERS: \$265

NON MEMBERS: \$325

STUDENTS: \$215

(Limited allocation, Student ID required)

NOTE: SEATING STRICTLY LIMITED

For more information or to join Learning Environments Australasia, visit