

STEM Conference



26 November 2021

How does STEM help us
battle threats to our world?

9.00am - 10.00am | Theatre Keynote Presentation

Creating Impact in STEM - *Dr Melanie Farrier, Assistant Director of Inclusion, Defence Science Technology Group*

10.10am - 10.35am | Performing Arts Centre Morning Tea

10.40am - 11.40am | General Teaching Building Workshop Session 1

Session	Title	Presenter/s	Room
1.01	Engaging students in STEM through the power of film	Jennifer Chalmers, The Royal Institution of Australia	KN09
1.02	Engineering Education	David Dempsey, Analytic Business Partners	CO11
1.03	Dogball	Alastair Lupton, Adelaide Botanic High School	CO06
1.04	Where does theory start? Practical approaches to learning and assessing Science Understanding	Dr Alix Verdon & Savin Sindhu, ASMS	CO09
1.05	SHE: The Task and Writing Questions	Jason Greenslade, Westminster School	KN11
1.06	Climate change, mathematics and graphics calculators	Barry Kissane, Murdoch University	KN15
1.08D	Sticking the facts: Communicating Science Information to a Broad Audience (DOUBLE Session)	Jeanne Young Kirby, Flinders University	KN13

11.45am - 12.45pm | General Teaching Building Workshop Session 2

Session	Title	Presenter/s	Room
2.01	School Connections - Building Partnerships between STEM Research and STEM Learning	Michelle McLeod, The University of Adelaide	CO06
2.02	Modelling as a creative narrative tool in STEM	Colin Chapman, Caroline Chisholm Catholic College	CO02
2.03	Creating Open Problems in Numeracy	Stefania Pulford & Mike Jones, Thebarton Senior College	CO11
2.04	GLOBE, NASA's citizen science program. What might it look like in your classroom?	Bill Flynn, CSIRO Education and Outreach	CO09
2.05	The Science of Indigenous Art: Pigments from the past	Sonya Arnold, Trevor Stephenson & Andrew Ayliffe, Seymour College	KN11
2.06	Using open access bioinformatic tools to explore biological questions	Masha Smallhorn, Flinders University	KN09

Cancelled Sessions:

1.07D - Understanding and communicating malaria biology to engage people in the battle against infectious diseases (DOUBLE Session), *Dr Danny Wilson, The University of Adelaide*

12.45pm - 1.30pm | **Performing Arts Centre**
Lunch

1.50pm - 2.50pm | General Teaching Building
Workshop Session 3

Session	Title	Presenter/s	Room
3.01	An introduction to ANSTO's data set resources	<i>Bridget Murphy, ANSTO</i>	KN15
3.02	Practical advice on developing and implementing inquiry-based learning	<i>Masha Smallhorn, Flinders University</i>	KN09
3.03	Carbon capture and storage	<i>Phillip Lemon, James Sobey & Romi Branajaya, Society of Petroleum Engineers</i>	CO11
3.04	Integrating numeracy in science using hands on science activities.	<i>Tan Sood & Ana Marques Britto, Playford International College</i>	KN11
3.07	Making Connections -- Mathematics as a Human Endeavour	<i>Amber Tomas, ASMS</i>	CO02
3.08D	SA Science Year 7 to 10 scope and sequence and Science units workshop. (DOUBLE Session)	<i>Katrina Elliott, ACARA / Department for Education</i>	CO06

2.55pm - 3.55pm | General Teaching Building
Workshop Session 4

Session	Title	Presenter/s	Room
4.01	Wolfram Research	<i>Kelly Lean, Wolfram Research</i>	KN15
4.02	Escape Rooms - Utilising escape rooms to combat deficiencies in capabilities and the potential within STEM	<i>Ross Riach, Escape Education</i>	KN13
4.03	Connecting Maths and Biology to Model Disease Spread	<i>Hayden Tronnolone, Flinders University</i>	CO11
4.04	Llamas, sharks & Covid 19 - what's the connection?	<i>Ann Ruckert, Open Access College</i>	KN09
4.05	UniSA Connect and Mathematics enables STEM Innovation	<i>Vanessa Gorman, University of South Australia</i>	CO09
4.06	She teaches SHE	<i>Bianca Warnock, Sciren Pty Ltd</i>	CO02

Cancelled Sessions:

3.05 - Critical thinking and creativity in assessing maths learning, *Dr Matt Verdon & Dr Andy Stone, ASMS*

3.06 - Strategies for supporting early career teachers' personal & professional wellbeing, *Lizzy Mann, Sacred Heart College*

4.07 - Climate Change for Year 10 Science, *Kelly Sharrad, Geoscience Pathways Project*

3.45pm - 4.45pm | Performing Arts Centre Courtyard
Credit Union SA Happy Hour

Access the Conference Resources:

