

2017 STEM Education Conference: Innovation

Thursday 28 September

Time	Venue	Session	Presenter	Topic
8:00 - 8:20	Eng Pav – Bldg. 215	Registration		
8:20 - 8:30	403.101:LT	Welcome		
8:30 - 8:45	403.101:LT		Peter Klinken WA Chief Scientist	Acknowledgement of country & welcome: STEM defined, futures
8:55 - 9:40	403.101:LT	Keynote 1	David Joyce	Head of Rio Tinto Projects
9:40 – 9:50	403.101:LT	STEM	Ice Breaker Activity	
9:50 - 10:50	403.101:LT	Keynote 2	Industry Panel	Industry: Deloitte, Bankwest, Woodside, DSTO, Advisian
10:50 - 11:40	Eng Pav – Bldg. 215	Morning tea	Exhibitors Viewing	Principals' morning Tea with Kerryl Bradshaw from Advisian
11:50 - 12:50	204.122	A1	Ian Miles	Principals' round table with Ian Miles https://clwb.org/
Workshops				
Primary	501.217	A2	Jennifer Forbes	Why, What and How of coding in schools.
Secondary	216.202	A3	Rachael Lehr	Hooking Girls into STEM
All	501.218	A4	Robyn Bull	The Wonder of Science Approach - Promoting a STEM Culture in Queensland Schools
	501.202	A5	Samantha White	STEAM and Design thinking
	204.233:LT	A6	Mahmood Hussein	Drones technology for tomorrow's jobs
	216.201	A7	Paul Newhouse	Putting two Ts into STEM
	204.234:LT	A8	Brad Howard	STEM Success-making it relevant!
	501.117	A9	Michael Valentine	Hale School Future School model
	501.201	A10	Yvonne Harrison	STEM Whole school strategies
	501.102	A11	Renee Hoareau	Day of STEM- Stem career mentoring online
12:50 - 1:50	Eng Pav – Bldg. 215	Lunch		
1:50 - 2:50	403.101:LT	Keynote 3	Judy Anderson	Current Approaches to STEM Education in Schools: What have we learnt so far?
3:00 – 4:00	216.201	B1	Judy Anderson	Leading change in STEM Education
Workshops	501.117	B2	Rachael Whitney Smith	reSolve: Teaching Mathematics by Inquiry with a STEM context
	204.122	B3	Paul Smargiassi	STEM Tools
	204.120	B4	John Williams	Research in STEM
	501.217	B5	Karen Wood	Facing STEM Challenges at Millen PS: An Early Childhood Perspective
	204.233:LT	B6	Vaille Dawson	Supporting Secondary STEM teacher Education Students placed in Disadvantaged Schools
	216.206	B7	Rachael Lehr	Embedding Digital Technologies into Authentic Learning Experiences
	501.203	B8	Rachel Sheffield	Let's DREAM: The Future of STEM
	501.102	B9	Yvonne Harrison	Digital Technologies in the Primary School
	204.234:LT	B10	Sarah Chapman	Engaging the Future of STEM
	216.202	B11	Ashdale Cluster	Our Stem Journey and the design process behind it

	501.201	B12	Mandy Seargent	Coding with Sphero SPRK+
4:00 – 5:00	Eng Pav – Bldg. 215	Sundowner		Reflections of Day 1
6:30 - 10:00		Conference Dinner		Crown
6:30 - 7:00		Pre-dinner Drinks		Crown Ballroom
7:00 – 10:00		Conference Dinner		Welcome: Her Excellency the Honourable Kerry Sanderson AC Dinner Speaker 1: CSIRO – Prof Mike McWilliams Future Science Platforms: a multi-year, multi-disciplinary investment in our collective future - bringing CSIRO and partners together to work on the big ideas. Dinner Speaker 2: Rio Tinto – Women in STEM Niki Firth vice president of human resources RIO TINTO

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8:20 – 8:30	403.101:LT	Welcome		
8:30 – 8:45	403.101:LT		Mark Hackling	Acknowledgement of country & STEM Learning Project
8:45 – 9:00	403.101:LT	Minister for Education	Sue Ellery	Welcome; STEM Education in WA
9:00 – 9:45	403.101:LT	Keynote 1	Ian Myles	Innovative schools and AI/VR technology
9:55 – 10:40 45 minutes Concurrent	213.101:LT 213.104:LT 204.233:LT 204.234:LT	Principal speakers	1. Disruption, Innovation & Employment Kerryl Bradshaw from Advisian	2. Industry Partnerships Principal Speakers ALCOA & Scitech
10:40 – 11:20	Eng Pav – Bldg. 215	Morning Tea		
11:20 – 12:20	501.202	C1	Penny Crossland	The Bookmark Project
	204.120	C2	Rachael Whitney Smith	Unlocking the Maths in Nature
	501.203	C4	Jody Crothers	Innovator Ideas
	204.122	C6	Jasmine Chan	Technology: Supporting a Positive STEM Trajectory
	204.118	C7	Ray Williams	STEM with the Nspire Calculator
	204.234:LT	C8	Judy Anderson	Where is the M in STEM
	204.233:LT	C9	Simon Tilly	STEM developments and projects across Australia, free marshmallows and drink stations

	501.117	C10	Rebecca Loftus	CoderDojo: From Club to classroom
	501.217	C11	Alessandra Morrone	Yrs K-6 integrated STEM tasks
	501.102	C12	Walter Green	Gamechanger Awards & Engineering in Schools Primary
12:30 – 1:30	501.202	D2	Rachael Whitney Smith	Unlocking the Maths in Science
	204.234:LT	D3	Deanne Poole & Helen Dowson	Digital Technology for the Early Years
	216.201	D4	Jody Crothers	Coding for Maths
	501.217	D5	Brett Sullivan	Interschool eSports
	204.120	D6	Sarah Hill	STEM Breakout
	204.122	D7	Johanna Stalley	STEM resources K-12
	TBC	D8	Michael Caldwell	STEM Perth Montessori School
	501.201	D9	Helen Cockerill	Using QR Codes in the classroom
	501.218	D10	Amista Nielson	Sustainability, STEM and Sport
	204.118	D12	Rebecca McKinney	Agriculture and STEM Shenton College
	501.102	D13	Walter Green	Game changer Awards & Engineering in Schools Secondary
1:30 – 2:30	Eng Pav – Bldg. 215	Lunch		
2:30 – 3:30	501.201	E1	Daniel Budd	Integrating coding into Mathematics with Swift Playgrounds
	501.203	E2	Mary Rice	Joey Maths - Bound for Success
	501.117	E3	Peter Merrotsy	Lessons from history
	216.202	E4	Ernest Tan	Mathspace - the Right Help at the Right Time for Every Student
	501.102	E5	Siew Yap	Critical Thinking Skills in the Science Classroom
	402.224:PC	E7	Bec Wilde	Moving beyond textbooks — Stile demonstrates online interactive science lessons
	204.118	E8	Robin Clarke	Integrated STEAM/STEM programs Primary School
	216.201	E9	Geoffrey Kaye	Integrating STEAM through project based challenges
	501.218	E10	Sam Moyle	Pokescience Hunt – AR in the classroom
	501.217	E11	Tim Keely	iSTEM Project in Primary Schools- First Lego League
	204.234:LT	E12	Sonia Hueppauff	Cognitive acceleration- a conduit to help teachers develop (Just Think Cognition)
3:40 – 4:50	403.101:LT	Panel Discussion		STEM the TREND
4:50 – 5:00	403.101:LT	Conference Close		Reflections of Day 2 / Evaluation & Exhibitor Raffle Draw
5:00 – 6:00	Eng Pav – Bldg. 215	Sundowner		