

Session	Workshop Title	Presented by	Year Level
8.30 am	Conference Sign On		
8.45 am	2023 Cutting Edge Conference Open		
8.55 am	Keynote Address: Dr Mike Todorovic – The Power of the Post		
10.00am Session One	Senior Chemistry Practicals – Mandated and Suggested Practicals	Griffith University	S, SOO
	Two Faraday's Law Pracs and Marking the External Exam	Dr. Richard Walding	S, SOO
	Culturally Responsive Maths Pedagogy + Digital Technologies	Rebekah O'Keeffe	M
	Metacognitive Tactics for Test Questions	Elisabeth Jessop	S
	Glycomics Institute – Facility Tour, Talk and Q&A	Dr Philip Ellery	S, M, P, SOO
	Molecular Visualisation Software for Science Teachers	Assoc Prof Thomas Haselhorst	S, M
	Harnessing the Power of Data Storytelling to Improve Data Fluency in the Age of GenAI	Rhettta Chappell	S, M, P, SOO
	Digital Innovation in Planning for AC v9.0: Science	QCAA	P, M
	From Boxes to Brilliance: The STEM Magic of Cardboard	Sycamore Education	P
	Pedagogy and Senior Sciences	Reshmi Kumar	S
	Currumbin Wildlife Sanctuary	Currumbin Wildlife Sanctuary	S, M, P
Engaging Students with VR	Cherie Nelson	S, M, P, SOO	
11.00am	Morning Break (15mins) – Teachers own refreshments		
11.15am Session Two	Culturally Responsive Maths Pedagogy + Digital Technologies	Rebekah O'Keeffe	P
	Senior Physics Practicals – Selected Mandated and Suggested Practicals	Griffith University	S, SOO
	Two Great Acid-Base Equilibrium Practicals for Senior Chemistry	Dr Richard Walding	S, SOO
	Pollinator Friendly Garden to Support our Native bees and Environment	The Urban Bee Co.	S, M, P, SOO
	SER STEM Teachers Network Collaboration Hub	Jake Williamson – Ed QLD	S, M, P
	Senior Science Curriculum: Familiarisation and Implementation of the Revised General Senior Syllabuses	QCAA	S
	Renewable Energy Box	Horizon Educational	M, P, SOO
	Marine Educational Programs and Career Opportunities	SeaWorld	S, M, P
	CSIRO STEM Professionals in Schools: Cutting Edge Partnerships with Industry.	CSIRO	S, M, P
	Saving Koalas: Turn your Students into Citizen Scientists	Micha Andersson/ Kirsty Wallis	S, M, P, SOO
	Next Generation Photovoltaic (PV) Technologies and Design (Lab 1 of 2)	Dr Munkhbayar Batmunkh	S, SOO
	Big Data Lab	Dr Henry Nyugen	S, M, SOO
Like it or not, AI tools such as ChatGPT are part of the Future of Education, and science. How can we use the power of in our teaching and research?	Dr Heather Shearer	S, M, P, SOO	
12.15pm	Lunch - Function Centre – Function centre/terrace - G07 (75mins)		
1.30pm Session Three	ADaPT Facility Tour + Q&A (Advanced Polymer and Metal 3D Printing)	ADaPT Staff	S, M, P
	Combining Concrete Materials and Digital Technologies in the Maths Classroom	Rebekah O'Keeffe	S, M, P
	Antigravity Using Sound : Science, Engineering and Applications in Space Research	Dr. Sreejith Kamalalayam Rajan	S, M, P, SOO
	Application of Reverse Materials Engineering to STEM Education	Dr Maksym Rybachuk	S, M, SOO
	Career Planning for Environmental Professionals	Environment Institute of Australia and New Zealand	S, M, SOO
	Using 3D Virtual Classroom for Collaborative STEM Teaching and Learning	Joshua Ferguson	S, M, P, SOO
	Score the Trifecta! Skills, Content and Outcomes in Secondary Science	EDROLO	S, M
	Griffith University Engineering Facilities Tour	Miles Cornish	S, M, P, SOO
	STEM Education in Schools- Mini Beast workshop	Megan Traynor	S, M, P, SOO
	Next Generation Photovoltaic (PV) Technologies and Design (Lab 2of 2)	Dr Munkhbayar Batmunkh	S, SOO
	Bots, Bridges and Pollution – Mechatronic, Civil and Environmental Engineering concepts.	Women in Engineering	P
The Science of study skills	Dave Canavan – Stile	M	
2.30pm	Networking session – Teachers and academics - all invited	All	G07 Unibar
3.00pm	Close		