

It Takes a Spark!

STEM Conference

Grace College Lutheran, Rothwell
Wednesday 25 June 2025

Room and participant numbers

Notes:

- T = teacher, PS = Primary Student, SC = Secondary Student.
- If you have Secondary students in a session that is mostly Primary focused they are Year 7 students
- If you have Primary students in a session that is mostly Secondary focused they are extension or Yr 6 PS

Rotation One: 11.10 am – 12.10pm (60 min): At least 5 teachers still to distribute

Teacher Mini-Master Classes	Room	Presenting	Attending	Extra Space
Creating Impactful STEM Programs with a Digital Technologies Approach Australian Computer Society Primary and Secondary	F1	Catherine Newington	6T	4
Building Global AI Literacy: Preparing Teachers for the Future of AI-Driven Classrooms Day of AI Australia Primary and Secondary	C3 Computer Lab	Natasha Banks Jake Renzella	5T	5
STEAM Expo	MPC Back Area	Presenting	Attending	Extra Space
Batteryless Wearable Health and Fitness Monitoring CSIRO Year 7 - 10		Moid Sandhu	16T + 150 PS+SC	10
Unleash Your Sustainability Superpowers! Academy for Enterprising Girls Year 4 - 10		Sally Wagnon		
Make the invisible visible Centre for Microscopy and Microanalysis, The University of Queensland Year 5 - 8		Dr Rubbiya Ali Matthew Ng Prof. Roger Wepf Lily Whelehan		
Mars AI Rover and AI SMART Home Demonstrations STEM Punks Year 5 - 9		Connor Harris		
Highly autonomous robots assisting humans CSIRO Data 61 Year 7 - 10		Ross Dungavell		
Insect Pest Management for Australian Cotton Bayer Crop Science Year 4 - 10		Lindsay Harries		
Artist Challenge BotBuilders Year 4 - 10		Daniel Pollard Andrew Pollard		
Paper Plane Launcher BotBuilders Year 4 - 10		Rebecca Pollard William Pollard		
Cyber Guardians: Crack the Code to Online Safety! EdTech Group Year 4 - 10		Mirella Zulli Kosha Stevens		
Epic Garden Epic Card Games Year 4 - 6		Jade Catania		

Blast Off to the Virtual Universe! OzGrav (ARC Centre of Excellence for Gravitational Wave Discovery) Year 4 – 10		Madeline Cross-Parkin Rianna Bell		
Future You – Where is the STEM in that? Future You Australia Year 4 - 7		Becky Laurence		
SPOT the Robot Dog! University of Southern Queensland Year 4 - 10		Derek Long		
Design + Build a Wooden Pull-String Spinner Make+Meld Year 4 - 7		Helen Bankes Emily Higgins		
Golden Ratio in Nature Grace Lutheran College Year 4 - 10		Sarah Lockyer		
Build your own habitat with Augmented Reality Islamic College of Brisbane Year 4 - 10		Carmen Farnsworth		
The Tower Triumph Challenge Islamic College of Brisbane Year 4 - 7		Christy Li		
Can we actually defy Gravity? Islamic College of Brisbane Year 7 - 10		Yang'en Xu		
Test your tastebuds, win a prize! University of Queensland / Sustainable Minerals Institute Year 4 - 6		Lexi K ng Enrique Saez Salgado		
Queensland Minerals- UQ University of Queensland / Sustainable Minerals Institute Year 4 - 10		Elin Jennings Afreen Iqbal		

Rotation Two: 12.35pm – 1.45pm (70 min): At least 3 teachers still to distribute

Problem Solvers	Room	Presenting	Attending	Extra Space
Gen AI – saviour or scam? University of Southern Queensland Year 7 - 10	C3 PC Lab	Derek Long	3T + 13SC	FULL
Scribbly Gum STEAM Megan Forward Year 4 – 6	D4 Science Lab Upstairs	Megan Forward Dannika Patterson	3T + 14PS	3
Being Real World Problem Solvers with Citizen Science Australian Citizen Science Association Year 4 - 10	F3	Michelle Neil	9PS	11
Is someone out there? Griffith University Year 4 - 10	F4	Tammie Ward- Hawkins Kym Fry Trent Davis	1T + 15	4
Digital Frontier: Design Thinking for Innovative Solutions Living Faith Lutheran Primary School Year 4 - 10	F6	Talitha Phillips	1T + 8PS + 7SC	4
Autonomous Vehicles Challenge STEM Punks Year 5 - 10	F7	Chris Buswell	3T + 20SC	FULL
Moving and Grooving with Granny: Creating digital solutions to help our elderly exercise Australian Computer Society Year 4 - 6	F8	Catherine Newington	1T + 8PS	6
Becoming a Game Designer and Entrepreneur Epic Card Games Year 4 - 7	F9	Jade Catania	2T + 3PS + 10SC	FULL

Code Red: Design a Flood-Rescue Drone Prototype Beenleigh State High School Year 5 - 9	S1 Science Lab Downstairs	Elizabeth Stewart Helen Turner + 7 Students	13PS + 10SC	FULL
Emergency Water Filtration Challenge Grace Lutheran College Year 5 - 7	S2 Science Lab Downstairs	Hayley Charlton- Hume	3T + 9PS + 5SC	FULL
Alternate Teacher PD Stream	Room	Presenting	Attending	Extra Space
Integrating Enterprise Skills in the Classroom Academy for Enterprising Girls Primary and Secondary	F1	Sally Wagnon	4T	6
Sustainability Innovation Challenge STEM Punks Secondary	F5	Elanna Diwell	6T	4