

# It Takes a Spark!

## STEM Conference

Grace College Lutheran, Rothwell Thursday 25 June 2026

### Room and Number of Attendees

**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 #2 11.50am – 12.30pm (40 min) still to allocate 1 teacher**

Teacher PD Stream	Room	Presenting	Attending	Extra Space
<b>Maths Made Meaningful</b> CSER STEM, University of Adelaide <i>Primary</i>	F1	Suzanne Carter	5T	5
<b>Bringing STEM to life through video games</b> Future You <i>Primary</i>	C3 Lab (18 PCs)	Rebecca Laurence Harry Twohig	7T	3
<b>The pedagogy of innovation and entrepreneurial thinking</b> Australian Skills Development Institute <i>Secondary</i>	F3	Stella Bachtis Anton Jordaan Rea Bachtis	14T	1
Digidesign	Room	Presenting	Attending	Extra Space
<b>Introduction to Sumo Robotics using mBot2</b> Corinda State High School <i>Year 4 - 9</i>	VC computer room (24)	Nathaniel Brown	5T + 11PS + 8SC	<b>FULL</b>
<b>Become the power behind Australia's sustainable energy future!</b> Snowy Hydro - Snowy STEM Academy <i>Year 4 - 6</i>	V6 computer room (30)	Erica Gibbs	1T + 23PS	<b>FULL</b>
<b>Stop Motion Animation</b> Digitech Tinker Lab <i>Year 4 - 7</i>	F4	Damien Kee	1T + 26PS	<b>FULL</b>
<b>Think, Create, Prevent: Melanoma Awareness</b> The University of Queensland's Integrated Pathology Learning Centre <i>Year 5 - 8</i>	F5	Rebecca Lush	1T + 7PS + 15SC + GLC Teacher	<b>FULL</b>
<b>Fire Dynamics STEM Lab</b> Rayner Digital Labs <i>Year 7 - 10</i>	F6	Adrian Rayner Lachlan Mort	6T + 23SC	<b>FULL</b>
<b>The Cosmic Distance Ladder</b> St Ursula's College Toowoomba <i>Year 7 - 10</i>	F7	Stephen Broderick	3T + 26SC	<b>FULL</b>
<b>Maker Squad Manufacturing Challenge</b> Manufacturing Skills Queensland <i>Year 4 - 6</i>	F8	Lauren Mangan Suzanne Kulk Uyen Tran	2T + 27PS	<b>FULL</b>
<b>Curious Minds - Arduino Moving Bots</b> Murrumba State Secondary College <i>Year 7 - 9</i>	F9	Isabella Ridgway Yr9 Helen Hamilton	1T + 11SC	<b>FULL</b>

<b>Eco-Vision: Giving Trash a Brain</b> Southern Cross University Year 5 - 10	S1 Science Lab	Vinh Bui Reza Ghanbarzadeh	2T + 6PS + 14SC	<b>FULL</b>
<b>The Science of Everyday Ingredients</b> Queensland Academy for Science Mathematics and Technology Year 4 - 7	S2 Science Lab	Seema Goel Katherine Cannon	3T + 24PS + 1SC	<b>2</b>
<b>Bowling for Pythagoras</b> Tullawong State High School Year 7 - 9	J1	Alexis Evans	2T + 19SC	<b>FULL</b>
<b>Hidden Worlds Revealed: A Microscopic Science Adventure</b> Ormiston State School Year 4 - 6	J2	Wardah Jakupovic	1T + 22PS + 7SC	<b>FULL</b>
<b>Mathematics, Geometry and Tessellations</b> Students from Islamic College of Brisbane Year 7 - 9	J3	3 x ICB students	2T + 20SC	<b>3</b>
<b>Designing Safe Habitats to survive climate change</b> Students from Islamic College of Brisbane Year 4 - 7	J4	2 x ICB students	GLC Teacher + 10PS + 10SC	<b>3</b>
<b>Community Creators</b> BOP Industries Year 5 - 10	J6 – J7	Chloe Ward Coby Davis	3T + 16PS + 23SC	<b>3</b>
<b>STEM Sail Racing with SailLAB</b> Australian Sailing Year 4 - 10	GLC Pool	Jessica Lundh Annie Watson	3T + 10PS +6SC + Yr 12 STEM captain	<b>FULL</b>

### Rotation #3 12.50pm – 2pm (70 min) still to allocate 1 teacher + 7 Yr 11 student presenter

Alternate Teacher PD Stream	Room	Presenting	Attending	Extra Space
<b>Art-based STEAM using 3D printing and Microbits</b> Corinda State High School Primary and Secondary	C3 Lab (18 PCs)	Nathaniel Brown	15T	<b>FULL</b>
<b>Sustainability Innovation Challenge STEM Punks</b> Primary and Secondary	F1	Sara Grigg	8T	<b>6</b>
<b>Bionic Hand</b> Digitech Tinker Lab Primary and Secondary	F4	Damien Kee	9T	<b>5</b>
Problem Solvers	Room	Presenting	Attending	Extra Space
<b>Idea Sparks: Problem to Prototype</b> Living Faith Lutheran Primary School Year 4 - 8	V1	Talitha Phillips	3T + 18PS + 1SC	<b>FULL</b>
<b>Run your own space tourism agency</b> Future You Year 4 - 6	VC Computer Room (24)	Rebecca Laurence Harry Twohig	25PS + GLC Teacher	<b>FULL</b>
<b>Data to Action: Innovating Climate Solutions for a Safer Future</b> CSIRO Year 7 - 10	V6 Computer room (30)	Zaidul Alam	4T + 2PS + 20SC	<b>FULL</b>
<b>Autonomous Vehicles Challenge</b> STEM Punks Year 5 - 10	F3	Gwyneth De Guia	2T + 3PS + 20SC	<b>FULL</b>
<b>Think, Create, Prevent: Melanoma Awareness</b> The University of Queensland's Integrated Pathology Learning Centre Year 7 - 10	F5	Rebecca Lush	2T + 17SC	<b>5</b>

<b>Inspired by Nature: Using Biomimicry to Design Bushfire-Resilient Communities</b> University of Southern Queensland Year 4 - 6	F7	Jane Batham	28PS + GLC Teacher	1
<b>Engaging in inclusive music experiences</b> MindSET-do (UniSC) Year 4 - 8	F9	Sarah Rennick Lana Jeffs Jordan Harris Ekaterina Hiskins	4T + 6PS + 21SC	FULL
<b>To Bee or not to Bee</b> Grace Lutheran College Year 4 - 7	S1 Science Lab	Hayley Charlton- Hume	2T + 23PS + 3SC	FULL
<b>First Nations Aquaculture</b> Deadly Science Ltd Year 4 - 10	S2 Science Lab	Shandelle O'Reilly Jermaine Chong	2T + 11PS + 16SC	FULL
<b>Creating a healthy food future</b> Griffith University Year 7 - 10	J2	Lindsay Brown	3T + 17SC	5
<b>Bridge Builders Showdown</b> UniSC Engineers Year 4 - 7	J3	Kevin Saj Scott Ellis	3T + 27PS +1SC	FULL
<b>Forces in Motion - Design + Build a Toy that moves!</b> Make+Meld Year 4 - 8	J4	Helen Bankes Emily Higgins	1T + 24PS + 5SC	FULL
<b>Build a balloon powered car</b> Engineers Australia Year 4 - 10	J5	Michelle Cook	1T + 9PS + 17SC	FULL
<b>Future Of Retail</b> BOP Industries Year 5 - 10	J6 – J7	Chloe Ward Coby Davis	4T + 11PS + 28SC	2
<b>Build &amp; Program a WiFi Robot (No Coding Required to Start)</b> Stem Academy Year 7 - 10	J8	Tony Grudzinski	5T + 14SC	FULL