

# It Takes a Spark!

## STEM Conference

**Launceston Church Grammar School – Senior Campus**  
**Friday, 29<sup>th</sup> November 2024**

### Workshop Room and Participant Numbers \*v21Nov

**Notes:**

- T = Teacher, PS = Primary School Student, SC = Secondary College Student. Also note for some schools we can't tell as they don't inform us so it is a guess.
- 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 Primary students

**Workshop Rotation One: 9.40am – 10.20am (40 min)**

Teacher Mini-Master Classes	Room	Presenting	Attending	Extra Space
<b>Developing authentic cross-curricular learning - Digital Tech in Textiles</b> Launceston Church Grammar School Secondary	H4 Ground Floor	Michelle Bradley Alicen Kay	4T	6
DigiDesign Mini-Workshops	Room	Presenting	Attending	Extra Space
<b>Building Your Business – Primary</b> University of Tasmania Year 4 - 6	M1 Ground Floor	Donovan Castelyn Bao Nguyen Robin Barnes Maria Yanotti	4T + 11PS	5
<b>All about the Milk</b> Curtin University Year 4 - 8	M3 Science Lab Ground Floor	Therese Hennessy- Batge	3T + 9PS + 6SC	<b>FULL</b>
<b>Amazing Agar Art</b> Launceston Church Grammar School Year 6 - 10	C9 Science Lab Ground Floor	Tori Haeusler	3T + 8SC	4
<b>Detecting the Unseen: Dark Matter</b> ARC Centre of Excellence for Dark Matter Particle Physics Year 7 – 10	C10 Science Lab Ground Floor	Kieran Rule	1T + 13SC	4
<b>Lego Medication Designers</b> School of Pharmacy and Pharmacology Year 7 – 10	H1 First Floor	Sophie Anne Briggs	1T + 9SC	5
<b>An Electrifying experience!</b> Launceston College Year 7 – 10	H2 First Floor	Ekong Uko	1T + 3PS + 12SC	<b>FULL</b>
<b>Moving and Grooving with Granny: Creating digital solutions to help our elderly exercise</b> Australian Computer Society Year 4 - 6	S1 First Floor	Stuart Brinsmead Catherine Newington	3T + 12PS	5
<b>Treasure Hunts and finite state automata</b> Guilford Young College Year 4 - 10	S2 First Floor	Brett Stephenson	3T + 12PS + 1SC	3
<b>Lumination Lab VR experience - Primary</b> Launceston Church Grammar School Year 4 - 7	Lumination Lab	Sara White	4T + 12PS	<b>FULL</b>

STEM Expo	Senior School Common Room		Attending	Extra Space
<b>Drone Experience</b> Pakronics Year 4 – 10		LCGS students	14T + 15PS + 16SC	10
<b>Blast Off to the Virtual Universe!</b> OzGrav (ARC Centre of Excellence for Gravitational Wave Discovery) Year 4 - 10		Rowina Nathan		
<b>Moshi Moshi! Live stream from Tassie to Tokyo!</b> St Mary's College Hobart Year 4 - 10		2 x St Mary's College students		
<b>Greenpower Tasmania</b> GreenSTEM Education Year 4 – 10		Brett Mullins Blake Ashley Brendan Smith		
<b>Tasmanian minerals</b> College of Sciences and Engineering, University of Tasmania Year 7 - 10		Francisco Testa Damian Braize		
<b>Ad Astra!</b> St Mary's College Hobart Year 4 – 10		2 x St Mary's College students		
<b>Play and Learn with Questacon</b> Questacon Year 4 – 8		Heather Catchpole		
<b>AMC Showcase: Ship Simulator Experience</b> Australian Maritime College Year 8 - 10		Nick Johnson		
<b>Are you a Plant Detective?</b> ARC Centre of Excellence for Plant Success Year 4 – 10		Kritika Sharma Katya Bandow Chris McCarthy		
<b>The Amazing World of Science!</b> Launceston Church Grammar School Year 4 – 10		Mark Cox Priya Bindal		
<b>CSIRO Education and Outreach</b> CSIRO Year 4 – 10		Bindi Browning Hannah McCleary		
<b>Lumination Table</b>	None			

### Problem Solvers Session: 11am – 12.20pm (80 min)

Teacher Only PD Stream	Room	Presenting	Attending	Extra Space
<b>Transforming Classrooms: Unlocking the Power of Immersive Technology</b> Lumination Upper Primary and Secondary	Lumination Lab	Sara White	7T	8
Problem Solvers	Room	Presenting	Attending	Extra Space
<b>Designing Smart Clothing</b> Launceston Church Grammar School Year 7 - 10	H4 Ground Floor	Michelle Bradley Alicen Kay	2T + 17SC	1
<b>Binary Computational thinking challenge</b> Launceston Church Grammar School Year 4 - 6	M1 Ground Floor	Veronica Savage	4T + 22PS	<b>FULL</b>
<b>Redesigning Waste</b> University of Tasmania Year 8 - 10	M3 Science Lab Ground Floor	Caroline Cumberbatch	3T + 8SC	9
<b>First Tools and Weapons use in Lutruwita</b> St Mary's College Hobart Year 4 - 6	C9 Science Lab Ground Floor	Catherine Midson Uncle Hank Horton	8T + 15PS	<b>FULL</b>

<b>Doing it Scared</b> Doug Gruber Education Year 4 - 6	C10 Science Lab Ground Floor	Doug Grubert Paul Pritchard	5T + 21PS	4
<b>Hungry Minds for Solving Food Challenges</b> Tasmanian Institute of Agriculture, University of Tasmania Year 7 - 10	H1 First Floor	Bianca Deans	6T + 10SC	4
<b>Writing your own choose your own adventure stories with Yarn Spinner</b> Secret Lab Pty Ltd Year 4 - 8	H2 First Floor	Paris Buttfield-Addison	3T + 11PS + 7SC	<b>FULL</b>
<b>Creating structures for a sustainable future</b> UTAS School of Architecture & Design Year 4 - 8	S1 First Floor	Helen Norrie Evan Harrop	4T + 11PS + 5SC	<b>FULL</b>
<b>Igniting Startup Sparks</b> Enterprize Tasmania Year 7 - 10	S2 First Floor	Maddy Lee Teresa O'Rourke	2T + 13SC	5

### Workshop Rotation Two: 1.40pm – 2.20pm (40 min)

Teacher Mini-Master Classes	Room	Presenting	Attending	Extra Space
<b>First Steps to designing a well-planned STEM program</b> Intuyu Consulting Pty Ltd Primary	H4 Ground Floor	Dr Adrian Bertolini	5T	5
<b>Teaching STEM with a First Nations Focus</b> Catholic Education Tasmania Primary and Secondary	C9 Science Lab Ground Floor	Catherine Midson Uncle Hank Horton	5T	5
DigiDesign Mini-Workshops	Room	Presenting	Attending	Extra Space
<b>Building Your Business – Secondary</b> University of Tasmania Year 7 - 10	M1 Ground Floor	Donovan Castelyn Bao Nguyen Robin Barnes Maria Yanotti	1T + 12SC	7
<b>All about the Milk</b> Curtin University Year 4 - 8	M3 Science Lab Ground Floor	Therese Hennessy-Batge	5T + 13PS	<b>FULL</b>
<b>Strong in flight</b> Rosebery District School Year 4 - 8	C10 Science Lab Ground Floor	Julia Murrie Maddy Raimondo + 4 students	3T + 12PS + 3SC	<b>FULL</b>
<b>Lego Medication Designers</b> School of Pharmacy and Pharmacology Year 7 – 10	H1 First Floor	Sophie Anne Briggs	3T + 11SC	6
<b>An Electrifying experience!</b> Launceston College Year 7 – 10	H2 First Floor	Ekong Uko	2T + 9SC	7
<b>Moving and Grooving with Granny: Creating digital solutions to help our elderly exercise</b> Australian Computer Society Year 4 - 6	S1 First Floor	Stuart Brinsmead Catherine Newington	4T + 17PS	<b>FULL</b>
<b>Treasure Hunts and finite state automata</b> Guilford Young College Year 4 - 10	S2 First Floor	Brett Stephenson	2T + 10PS + 5SC	<b>FULL</b>
<b>Lumination Lab VR experience - Secondary</b> Launceston Church Grammar School Year 8 - 10	Lumination Lab	Sara White	3T + 11SC	<b>FULL</b>
STEM Expo	Snr Common Rm	Presenting	Attending	Extra Space
<b>Drone Experience</b> Pakronics Year 4 – 10		LCGS students	7T + 26PS + 3SC	18

<b>Moshi Moshi! Live stream from Tassie to Tokyo!</b> St Mary's College Hobart Year 4 - 10		2 x St Mary's College students		
<b>Greenpower Tasmania</b> GreenSTEM Education Year 4 – 10		Brett Mullins Blake Ashley Brendan Smith		
<b>Tasmanian minerals</b> College of Sciences and Engineering, UTas Year 7 - 10		Francisco Testa Damian Braize		
<b>Ad Astra!</b> St Mary's College Hobart Year 4 – 10		2 x St Mary's College students		
<b>Play and Learn with Qwestacon</b> Qwestacon Year 4 – 8		Heather Catchpole Miriam Hilton		
<b>AMC Showcase: Ship Simulator Experience</b> Australian Maritime College Year 8 - 10		Nick Johnson		
<b>Are you a Plant Detective?</b> ARC Centre of Excellence for Plant Success Year 4 – 10		Kritika Sharma Katya Bandow Chris McCarthy		
<b>The Amazing World of Science!</b> Launceston Church Grammar School Year 4 – 10		Mark Cox Priya Bindal		
<b>CSIRO Education and Outreach</b> CSIRO Year 4 – 10		Bindi Browning Hannah McCleary		
<b>Lumination Table</b>		None		

**Completing the Day: 2.30pm – 2.45pm (20 min)**