

The Knox School Thursday 23rd October 2025

Room of your workshop 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 Yr 7 students
- If you have Primary students in a session that is mostly Secondary focused, they are extension or Yr 6 PS

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

Teacher Mini-Master Classes	Room	Presenter	Attending	Extra Space
AI and our Purpose: Shifting Practice to Meet the Real World The Knox School	Computer Lab IC4	Isaac Rule	14	1
STEM for Wildlife Conservation Zoos Victoria	Auditorium Backstage	Kimberley Clayton Chris Vella	6	9
Maths Made Meaningful University of Adelaide – Maths in Schools Project	Upper Senior School Classroom 203	Celia Coffa Toni Falusi	8	7
Digi-Design Mini-Workshops	Room	Presenter	Attending	Extra Space
Amplifying Student Storytelling: Podcasting in Action The Knox School Year 6 - 10	Robert Read Learning Centre FlexiSpace	Liana Gooch + X students	2T + 9PS + 10SC	FULL
Quantum measurements using light University of Melbourne, EEE Year 7 - 10	AR1	Daniel Fan Dr. Shiva Balendhran	2T + 2PS + 15SC	1
Build and Code a robot in under 40 minutes Edminds Year 4 - 6	AR2	Samitha Embuldeniya Gayan Mudalige Samadhi Balasooriya	3T + 22PS	FULL
Spark the Wind Mini-Windmill Rescue Britannica Education Year 4 - 7	AR3	Zeina Chalich	3T + 27PS	FULL
Coding with Dash Robots Flinders Christian Community College Year 4 - 7	MR2	Brooke Dornan Matt Smith + 3 students	2T + 18PS + 2SC	FULL
Railway Signalling with Puffing Billy Puffing Billy Railway Year 5 - 7	MR6	Peta Howard	2T + 22PS	FULL
Zooming Bottle Rockets! Monash High Powered Rocketry Year 4 - 7	Year 7 Classroom 501	Benjamin Hendriks Shudhho Sourajit Roy Faiza Karim Harrison Keighley Ibrahim Saneeh Ali Shanilka Gamage	2T + 24PS + 2SC	FULL

TSAL: Technology Sparks Active Learning Monash Motorsport Year 7 - 10	Year 7 Classroom 502	Jennifer Rottana Ethan Dharmawardena John Zhang Josh Valastro Lachie Sealie Yeheni Perera	3T + 6PS + 13SC	3
Detecting the Unseen: Dark Matter ARC Centre of Excellence for Dark Matter Particle Physics Year 7 - 10	Year 7 Classroom 503	Jackie Bondell + TBC	7PS + 17SC	FULL
Button it Up – Safety by Design Rangeview Intermediate School, NZ Year 4 - 8	Year 7 Classroom 504	Kim Adams	14PS + 4SC	7
Make Science a Fashion Statement Oh Pluto Year 6 - 10	Upper Senior School Science Lab 2L1	Louise van der Werff Kylie Hall	3T + 22PS + 2SC	FULL
Hands-On Hydrology EngEd Teaching Solutions Year 5 - 10	Upper Senior School Science Lab 2L2	Andrew Cameron	1T + 13PS + 8SC	8
STEAM Expo	Auditorium Foyer		Attending	Extra Space
Mystery Ingredient Challenge: Oz Harvest Waste Warriors Edition OzHarvest Australia Year 5 - 8	Auditorium Foyer	Lucy Bowtell Jenni Lewis	11T + 47PS + 37SC Total = 95	5
MagLev Technology WeBuild Year 4 - 10		Laura Loughnan Amanda Zampogna Inass Chedid		
The Martian Garden ARC Centre of Excellence for Plants for Space Year 4 – 10		Frazer Thorpe + TBA		
IXL Maths Leaderboard Competition IXL Learning Year 4 - 10		Kelvin Finger		
FIRST Robotics Competitions (FLL Challenge, FTC and FRC) AI Cubed Academy Year 4 - 10		Charlie Cheng Dion Stojasavljevic		
Engineering in Action! Robogals Melbourne Year 4 - 10		Laranya Pawar Calum Hapugasdeniya Evie (Yifei) Cao Lilliana Carroll Elizabeth Pham Anuki Pathinayake		
Inspired by Nature: Discovering design secrets from the natural world Royal Botanic Gardens Victoria Year 4 - 10		Sally-Anne Fierenzi Amanda Knights Carolyn Shurey		
STEMpal: You can't be who you can't see! Curiosity Factory Year 4 - 8		Julia Baumann Jennifer A Payne		
Discover and Do: Maths Made Meaningful CSER and University of Adelaide – Maths in Schools Project Year 4 - 8		Celia Coffa Toni Falusi		
Multimedia Microscopy Cranbourne West Primary School Year 4 - 8		Thomas Brennan + 9 students		
Inspire Robotics: Shaping Future Innovators Inspire Robotics Year 4 - 10		Ellen Burgess Benjamin Grant Shannen Wedding Anabella Montalvao		

Light Explorers! Britannica Education Year 4 - 6		Michelle Kueh Jeremy Lim		
Fly, Build, Design! Bentley Systems Year 7 - 10		Engteck Soon ShunNai Zhao		
Discover Electronics with Kids Unlimited! Kids Unlimited Year 4 - 5		Holly Ervine Lauren Bencina Michael Clarke		
Creating a more immersive STEM environment BenQ Australia Year 4 - 10		Andrew Williams Simon Gordon		
STEMPower – from concept to reality Orchard Grove Primary School Year 4 - 6		Matt Anthony Elizabeth Pemberton + 10 students		
Putting the Tech in Agritech The Brainary Year 4 - 10		Sam Kingsley		

Workshop Rotation Two: 11am – 12.20pm (80 min)

Teacher Only PD Stream	Room	Presenting	Attending	Extra Space
Teacher Networking (11 – 11.40am) STEM Pathways session (11.40 – 12.20pm)	Front of Auditorium	Adrian Bertolini	8	7
Adobe Creative Educator Level 1 micro-credential course Adobe Education	Upper Senior School Classroom 203	Tim Kitchen	12	3
Innovation in STEM Education – Made in Sweden KTH Royal Institute of Technology, Sweden	MR2	Eva Hartell	9	6
Problem Solvers	Room	Presenting	Attending	Extra Space
Moonbase – Designing to Survive and Thrive ARC Centre of Excellence for Plants for Space Year 4 - 10	Robert Read Learning Centre FlexiSpace	Frazer Thorpe + TBA	4T + 32PS + 15SC	FULL
Become a disease detective- solve an outbreak! Rladies-Melbourne Year 7 - 10	Computer Lab IC4	Dionne Argyropoulos Kathleen Zeglinski Felicia Bongiovanni Kirsty McCann	2T + 22SC	FULL
Tinker Tales Wonder Bitz Year 4 - 6	Auditorium Backstage	Darcy Moore	1T + 24PS	FULL
STEM for Wildlife Conservation Zoos Victoria Year 5 - 10	AR1	Kimberley Clayton Chris Vella	2T + 23PS + 10SC	FULL
Designed by Nature: Innovating with Biomimicry Royal Botanic Gardens Victoria Year 4 - 10	AR2	Sally-Anne Fierenzi Amanda Knights Carolyn Shurey	4T + 23PS	FULL
F1 Engineers & the Future of EVs Inspire Robotics Year 5 - 8	AR3	Ellen Burgess Benjamin Grant Shannen Wedding Anabella Montalvao	2T + 14PS + 15SC	FULL
Fun Problem Solving with Lego Robots AI Cubed Academy Year 5 - 7	MR6	Charlie Cheng Dion Stojasavljevic	5T + 30PS + 2SC	FULL
Learn to Design Games: Mechanics, Dynamics, Aesthetics Monash University	Year 7 Classroom 501	Phoebe Toups Dugas	3T + 5PS + 16SC	1

Year 7 - 10				
Invention Remix: Tools for an Unknown Future Victorian Academy of Teaching and Leadership Year 4 - 8	Year 7 Classroom 502	Michael Kollaras Emma Perrett	3T + 18PS	4
Sustainable Spaces Monash Tech School Year 5 - 9	Year 7 Classroom 503	Brice Grosberg Ziru Guo	3T + 19PS + 2SC	1
Solving real world problems with classroom robotics: Fire Rescue The Brainary Year 5 - 10	Year 7 Classroom 504	Sam Kingsley	2T + 21PS	FULL
Design for reuse – egg drop challenge University of Melbourne Year 6 - 10	Upper Senior School Science Lab 2L1	Jillian Kenny Melissa Kozul	1T + 27PS + 12SC	FULL
From Code to Control: Exploring Automation with Raspberry Pi The University of Melbourne Year 7 - 10	Upper Senior School Science Lab 2L2	Matheus Xavier Sivacarendran Balendhran	3T + 14SC	8
Design Solutions via LEGO and App Prototyping Doncaster Secondary College Year 4 - 10	Upper Senior School Multipurpose area MPA1	Kai Hong (Tony) Leung	3T + 19PS + 2SC	1

Workshop Rotation Three: 1.40pm – 2.20pm (40 min)

Teacher Mini-Master Classes	Room	Presenting	Attending	Extra Space
Developing Future Ready Metacognitive Learners Intuyu Consulting Pty Ltd	Auditorium Backstage	Adrian Bertolini	7	8
Using Design Thinking to Help Students Partner with Real World Organisations Doncaster Secondary College	Upper Senior School Classroom 203	Kai Hong (Tony) Leung	8	7
Inspire & Apply: Turning STEM Activities into Scientific Learning Inspire Robotics	AR1	Ellen Burgess	10	5
Digi-Design Mini-Workshops	Room	Presenting	Attending	Extra Space
Rockin with robots! Robogals Melbourne Year 4 - 8	Robert Read Learning Centre FlexiSpace	Lilliana Carroll Wenjie Zheng Anuki Pathinayake	3T + 18PS + 4SC	FULL
You are our next CyberHero! La Trobe University – School of Computing, Engineering and Mathematical Sciences Year 7 - 10	Computer Lab IC4	Mohammad Chowdhury Mary George Leanne Ngo	1T + 2PS + 20SC	FULL
Build and Code a robot in under 40 minutes Edminds Year 4 - 6	AR2	Samitha Embuldeniya Gayan Mudalige Samadhi Balasooriya	2T + 18PS	FULL
Spark the Wind Mini-Windmill Rescue Britannica Education Year 4 - 7	AR3	Zeina Chalich	2T + 25PS + 2SC	FULL
Pippi Problem-solver! KTH Royal Institute of Technology, Sweden Year 4 - 6	MR2	Eva Hartell	1T + 18PS	FULL
Railway Signalling with Puffing Billy Puffing Billy Railway Year 5 - 7	MR6	Peta Howard	2T + 17PS	5

Zooming Bottle Rockets! Monash High Powered Rocketry Year 4 - 7	Year 7 Classroom 501	Benjamin Hendriks Shudhho Sourajit Roy Faiza Karim Harrison Keighley Ibrahim Saneeh Ali Shanilka Gamage	1T + 22PS + 5SC	FULL
TSAL: Technology Sparks Active Learning Monash Motorsport Year 7 - 10	Year 7 Classroom 502	Jennifer Rottana Ethan Dharmawardena Josh Valastro Lachie Sealie Yeheni Perera	2T + 22SC	1
Build your own Mini-BB Rovers! Monash Nova Rover Year 5 - 10	Year 7 Classroom 503	Ayonna Saha Tran Thi Bao Phan (Tessa) Larissa Carbery Tashvi Vig	3T + 13PS + 9SC	FULL
Conductivity with Makey Makey St Peter Julian Eyemard PS Year 4 - 6	Year 7 Classroom 504	Louise Barbatiello + 7 students	2T + 19PS	FULL
Make Science a Fashion Statement Oh Pluto Year 7 - 10	Upper Senior School Science Lab 2L1	Louise van der Werff Kylie Hall	3T + 7PS + 19SC	FULL
Hands-On Hydrology EngEd Teaching Solutions Year 5 - 10	Upper Senior School Science Lab 2L2	Andrew Cameron	4T + 12PS + 13SC	FULL
STEAM Expo	Auditorium Foyer	Presenting	Attending	Extra Space
Mystery Ingredient Challenge: Oz Harvest Waste Warriors Edition OzHarvest Australia Year 5 - 8	Auditorium Foyer	Lucy Bowtell Jenni Lewis	12T + 64PS + 16SC Total = 92	9
MagLev Technology WeBuild Year 4 - 10		Laura Loughnan Amanda Zampogna Inass Chedid		
The Martian Garden ARC Centre of Excellence for Plants for Space Year 4 - 10		Frazer Thorpe + TBA		
IXL Maths Leaderboard Competition IXL Learning Year 4 - 10		Kelvin Finger		
FIRST Robotics Competitions (FLL Challenge, FTC and FRC) AI Cubed Academy Year 4 - 10		Charlie Cheng Dion Stojavljevic		
Engineering in Action! Robogals Melbourne Year 4 - 10		Laranya Pawar Calum Hapugasdeniya Evie (Yifei) Cao		
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Discover and Do: Maths Made Meaningful CSER and University of Adelaide – Maths in Schools Project Year 4 - 8		Celia Coffa Toni Falusi		

Multimedia Microscopy Cranbourne West Primary School Year 4 - 8		David Sarah + 9 students	
Inspire Robotics: Shaping Future Innovators Inspire Robotics Year 4 - 10		Benjamin Grant Shannen Wedding Anabella Montalvao	
Light Explorers! Britannica Education Year 4 - 6		Michelle Kueh Jeremy Lim	
Fly, Build, Design! Bentley Systems Year 7 - 10		Engteck Soon ShunNai Zhao	
Discover Electronics with Kids Unlimited! Kids Unlimited Year 4 - 5		Holly Ervine Lauren Bencina Michael Clarke	
Creating a more immersive STEM environment BenQ Australia Year 4 - 10		Andrew Williams Simon Gordon	
Cartesian Divers Eltham Primary School Year 4 - 7		Anglea White + students	
Blast Off to the Virtual Universe! OzGrav (ARC Centre of Excellence for Gravitational Wave Discovery) Year 4 - 10		Amrita Banerjee Kaustubh Rajesh Gupta	
Putting the Tech in Agritech The Brainary Year 4 - 10		Sam Kingsley	

Completing the Day: 2.25pm – 2.45pm (20 min)

- Attendee feedback & prizes
- Acknowledgements

Presenter Information

- **STEM Expo presenters:** bring your own trestle cloths, power boards, and extension cords for your table(s)
- **Workshop presenters:** The Knox School will have HDMI cables available to connect to the TVs in each room. If you have a Macbook then bring your own dongle to connect to the HDMI cable.

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Mobile phone for IT Support: 0447317425