Workshops and demonstrations brought to you by

- Space Design Competitions Australia
- Ballyland
- QUT MIT Apps
- Red Cat Science
- Redeye Apps
- Sonokids
- Tech Girls are Superheroes
- Thoughtworks
- Yoga for Little Bears
- Kedron State High School "Robotics Team"
- Pine Rivers State High School "Wombat Warriors 4x4 Team"
- Redcliffe State High School "Infinite Racing F1 Mini Cars Race Team"
- QUT Science and Engineering – Biofabrication

Many exhibitors will also be running various activities throughout the day!

Exhibitors

Adobe	Queensland Academies
Advance Queensland	Queensland Museum – Future Makers
Space Design Competitions Australia	QUT Science and Engineering – Biofabrication
Australian Computer Society	Red Cat Science
Digital Careers	Redeye Apps
Department of Transport and Main Roads	Scout Aerial Group
Flying Fox Studios	Seek
Genesis AR	Sonokids
Hear and Say	TAFE Queensland
Interchange Careers Events	Tech Girls are Superheroes
Kidu Crate	The University of Queensland – QSEN
Linksprite	Thoughtworks
Microsoft	UQ Global Change Institute
Playgroup Queensland	Yoga for Little Bears
PwC	

Thank you to all our sponsors and session sponsors!

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STEMed sessions feature leading industry experts speaking on current technological industry advances and future technologies... **you won't believe what's coming!**

Registration	10.00 - 10.30am
Welcome from WiT	10.30 - 10.40am
Opening session	10.40 - 12.00pm

Keynote address by David Bartlett in rooms 1, 2 and 3

Session break outs

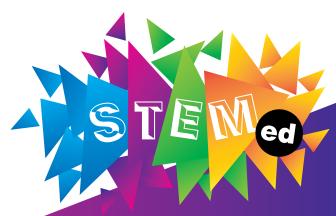| ROOMS	Stream 1 12.30 - 1.00pm	Stream 2 1.15 - 1.45pm	Stream 3 2.00 - 2.30pm	Stream 4 2.45 - 3.15pm
Room 1	Technology for Autism	Technology for Community and Disability	Startup Ecosystems	N/A
Room 2	Technology and Resource Sector	Implantable Hearing	Augmented Reality	N/A
Room 3	Drone Technology	Gaming and Virtual Reality	Drone Technology	N/A
Room 4	Agile Career Strategy	Decoding "Coding"	The Aerospace Sector	Decoding "Coding"
Room 5	Stand Out Online	Teaching Digital Tech	Stand Out Online	Medical Apps
Room 6	16 Year Old CEO	Why Startup?	16 Year Old CEO	Why Startup?
Room 7	3D Printing Revolution	No Kidding!	3D Printing Revolution	No Kidding!

Closing

Competition draw	3.15 - 3.45pm

Kedron State High, Pine Rivers State High, Redcliffe State High and St Aidans Q&A

Representatives from these schools will conduct an interactive Q&A to talk about their STEM achievements and future aspirations.

BUILDING THE NEXT GENERATION OF STEM

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SESSIONS

3D Printing Revolution

Associate Professor Mia Woodruff leads the Biomaterials and Tissue Morphology Group at QUT. An expert in bone tissue engineering and biofabrication, Mia envisions a future where fabrication of patient specific replacement tissue and organs is safe, cost effective and routine.

No Kidding! – Why our kids know more about tech than us

Today's kids can intuitively use any device, app, game and social network, but as life speeds up the technological gap between adults and kids seems to grow. Yvette Adams, ICT woman of the year and author of 'No Kidding – Why our kids know more about technology than us (And what we can do about it!)' will explore this topic.

Technology for Community and Disability

Phia Damsma from Sonokids will look at how technology can support people with disabilities, in particular children, making it possible for them to take part in the everyday activities, play, education and jobs that we all take for granted.

Learn how to stand out online for all the right reasons!

- What your digital footprint is and what to do if there is something you don't want on there
- The importance of social networks and the concept of by association
- How to get started with a Linkedin profile and an infographic resume
- Why a blog or v-log (video blog) is a good idea in some industries
- How kids should build their social networks and learn to communicate on social media in the right way

Teaching Digital Technologies

Matthew Jorgensen is a Queensland teacher and Microsoft Teacher Ambassador with many years' experience teaching Digital Technologies. As an eLearning Manager he developed curriculum and drove strategic change, and is excited by the potential of the apps and strategies that enable digital and design creativity, and will share these learning tools.

Medical Applications

Shay Wilkinson manages the Production Engineering department at Cook Medical Australia, one of the world's largest privately owned Medical Device manufacturers. She will talk about the medical device industry, research and development and advanced manufacturing, detailing new technologies for the future.

Implantable Hearing Technology

Emma Rushbrooke, Clinical Director of Hear and Say, an Auditory-Verbal early intervention and diagnostic and hearing implant audiology program for children with hearing loss, will discuss implantable hearing technology and her current role overseeing the Listening and Spoken Language and Audiology programs at Hear and Say.

Augmented Reality

David Shaw, owner of Genesis AR, will cover the differences between AR and VR technology, and the history of AR. He will discuss why AR technology has not hit mainstream including User Experience (UX) considerations, where the AR industry is heading in the future and future jobs in the AR sector.

What's it like to be a 16 year old CEO

Taj Pabari is a 16 year old inventor, entrepreneur, philanthropist and educational pioneer with a passion for inspiring children in today's emerging Digital Economy to discover and embrace the great world of entrepreneurship through technology and innovation. Creator of Fiftysix, Taj is living proof that anything is possible.

Coding – What, When, Where and Why?

We often hear the word "coding" but do we understand what it means, the impact of coding on the future, it's applications and importance? Randall Makin, Redeye Apps CTO and Co-Founder will discuss the what, when, where and why of coding. Building software may seem daunting but with or without a coding background you can get started.

Why Startup?

Wayne Gerard is founder of QLD startup, RedEye a cloud-based software solution that facilitates the way professionals manage their engineering drawings and data. Wayne is passionate about growing the startup eco system and frequently speaks at startup events. He was awarded the 2015 Entrepreneur of the Year (QLD) (Queensland Pearcey Award), is on the Advance QLD Expert Panel and Board of StartupAUS.

Technology and the Resource Sector

David Shaw is a mechanical engineer with experience in the resource sector. David will discuss why mining isn't dead and how STEM skills can improve and transform the resource sector in the future. He will reflect on the skills from high school and university that were important foundations for his career in the mining and resources sector.

Future jobs in the Aerospace Industry

Alexander Bowen-Rotsaert, a Systems Engineer at Boeing Defence Australia will explore what the Aerospace Industry is and the areas for study and further learning. Alexander currently works on the Land 2072 Phase 2B system, a battlespace communications network, which will provide the Australian Defence Force with secure wideband voice, data and video services between deployed forces and headquarters.

Technology for Autism

Anne Ozdowska is a Computer Scientist who, after her second son was diagnosed with autism, is using her IT background to find better ways to use technology to support the inclusion of people on the autism spectrum. In 2014 Anne was awarded an Autism CRC PhD Scholarship to investigate ways to help students on the spectrum overcome difficulties with written expression. She has developed an app incorporating elements of universal design for learning and game design.

Start Up Ecosystem you may not even be aware exists

Josh Anthony, General Manager of tech startup hub River City Labs, will speak on the Lean Startup strategy, essential for any entrepreneur. He will focus on how to develop a startup idea, how to validate it in the real world, and how to ensure it stays on track for growth. He'll also provide links and introductions to key resources. River City Labs is the largest tech startup hub in Brisbane, helping entrepreneurs connect with the things they need to succeed.

Teaching Digital Tech

Justin Carter, Senior Lecturer at Tafe Queensland Brisbane will discuss the effective teaching research nexus, between Tafe Queensland Brisbane and the University of Canberra's Studio Kaboom, an on campus game studio. The applied learning environment links teaching, research and industry. Justin will share case studies on the benefits that Studio Kaboom's research infused teaching has had for learners.

Drone Technology and it's Future

Dr. Catherine Ball is the innovator, scientist and drone expert who led the charge in mastering drone technology, which is helping to push the country to become number one in the world. She now advises state and federal agencies on the application of drone technology for different applications and was the Telstra National Business Woman of the Year (Corporate award) and the 2015 Queensland winner.

The Agile Career Strategy

Australia is at the crest of a Tsunami of start-ups, a phenomenon which created the likes of Facebook, Uber and Canva. Traditional businesses and entire industries have been disrupted. The Agile Career Strategy developed at the University of Queensland adapts startup methodologies and applies them to a person's ever-changing career to encourage an entrepreneurial, active, career development strategy to finding not just work but a career.

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