

It Takes a Spark!

EDU Conference

Friday, 9 August 2019

BRISBANE

Teachers and Students are invited to attend a STEAM Conference with a difference!

The intent of the Conferences is to ignite interest from many schools in STEAM, particularly from girls who traditionally are underrepresented in these subject areas.

The conference brings together teachers and girls with inspiring female role models, industry innovators and universities for an immersive day of interactive STEAM workshops.

A different STEAM EDU Conference...

- **Leading STEAM teachers and students** share their current school based activities and projects.
- Our aim is to **ignite, empower and nurture student** leadership of STEAM and Entrepreneurship in schools.
- **Teachers** have both formal and informal opportunities to speak to other teachers who have enacted programs and activities in their schools.
- **Hands-on** workshops and problem solvers design challenges - experience first-hand what it is like to be part of great STEAM and entrepreneurial learning.
- Spark new ideas about curriculum and pedagogy.

Attend if you are a...

Student Year 4 to 10 girls: who are already (or aspire to be) STEAM Leaders in your school

Teacher: who have little experience in STEAM and those who have a lot looking to extend.

Head of Learning Areas / Curriculum: who wish to discuss how to create trans-disciplinary units that are powerfully engaging.

Principal and Deputy Principal: to witness what is possible by embedding the Technologies Curriculum in your school.

Outstanding Keynote Speakers!

AMY HEFFERNAN



Field Application Specialist at SCIEX. Research Fellow at University of Queensland. Superstar of STEM

Amy Heffernan is an analytical chemist specialising in mass spectrometry, a technique used to map the chemical fingerprint of food, drugs and living cells. She combines chemistry, critical thinking and technology to solve complex problems in the environment and human health. Amy was recognised as an inaugural Superstar of STEM by Science & Technology Australia, and is passionate about diversity and inclusion in science and business.

DR TABITHA BEST



Research Scientist and Psychologist Associate Professor at Central Queensland University

Talitha Best is both a research scientist and a registered psychologist. In her research she investigates how nutrition and certain nutrients influence the thinking and memory in adults. As a psychologist she promotes strategies to support optimal well-being through community education. She is passionate about empowering health and well-being in all people!

MORE INFORMATION: spark-educonferences.com.au/it-takes-a-spark-brisbane/

Rachel Manneke-Jones

Registration & Booking Spark EDU Conferences/Intuyu Consulting

P | 0411 270 277

E | rachel@spark-educonferences.com.au

Adrian Bertolini

Conference Coordinator Spark EDU Conferences/Intuyu Consulting

P | 0413 036 382

E | adrian@spark-educonferences.com.au

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About the conference...

We will have the brightest educators, organisations and girls who are passionate about STEAM lead either Teacher Oriented Mini-Master Classes and/or Student Oriented DigiDesign Mini Workshops. These sessions are short, sharp action packed with activities / communications. No waffle!

Teacher PD mini-master classes from STEAM experts, teachers and students focus on

- >> Embedding STEAM into curriculum
- >> Showcase projects, eg app design, creativity, circular design
- >> Beginning to advanced teachers
- >> Brilliant PD and conference presenter(s)
- >> Share knowledge and create networks

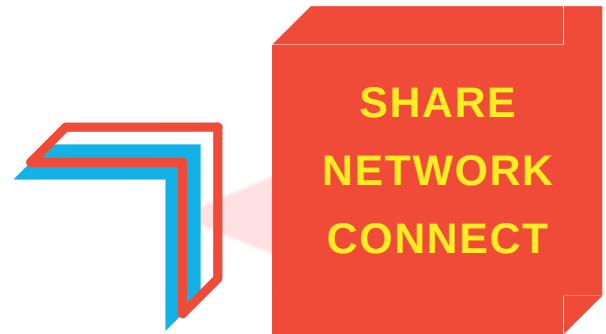
Hands-on digi-design sessions for students and teachers, designed for

- >> Girls inspiring girls
- >> Interactive, hands on STEAM or entrepreneurial activities
- >> Girls grow in confidence by sharing ideas / innovation
- >> Unique public speaking opportunity

Problem Solvers Design Challenge

Past challenges vary from An Age Old Problem, Bee-pocalypse, TurtleGate, and supporting mobility impaired students to shine.

- Each session will have a different real life design or STEAM challenge to solve aimed at Year 4 to 10 students.
- Schools, universities, industry, or community organisations to pose real life design challenges and lead student through the design process to ideate and present possible solutions.



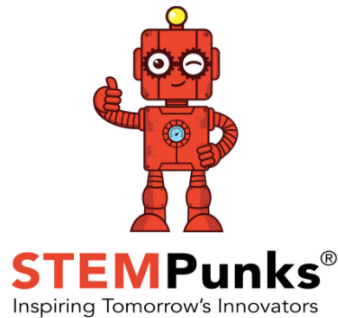
Conference Steering Committee

Daniel Crump: Mount Alvernia College
Linda Clark: Mount Alvernia College
Kirsty Schultz: Parklands Christian College

Jodi-Ann Gulley: BCE Education Officer
Brett Crawford: EQ STEM Champion
Rebecca Harris: ISQ Education Services
Adrian Bertolini: Intuyu Consulting Pty Ltd

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Contact

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