

It Takes a Spark!

EDU Conference

Thursday 9 May 2019
Toowoomba QLD

EARLY BIRD book by 5 April
spark-educonferences.com.au

*Inspire Students, Empower their Leadership
and Ignite a Spark in STEAM.*

It Takes a Spark! EDU Conference is designed by students and teachers for students and teachers. Most conferences currently being offered on STEM, STEAM and Entrepreneurship tend to be targeted towards teachers and involve a series of speakers and the occasional mini-workshops.

This conference is designed to be different...



The intent of the It Takes a Spark! EDU Conference is to bring together **Girls and their Teachers** to connect with inspiring female role models, industry innovators and universities using an authentic sharing and experiential model.

Leading STEAM teachers and students will share their current school based activities and projects with hands-on teacher mini masterclasses and student digidesign workshops, you will create networks with teachers and student teams, be inspired by the keynote stars of STEAM and using STEAM solve social justice design challenges.

Be part of a student led movement in all things STEAM and Entrepreneurship!

In the conference:

- The participation of the students is as important as teachers as our intent is to ignite, empower and nurture both students and teachers to be leaders of STEAM and Entrepreneurship within their schools. This is a conference designed and led by students and teachers for students and teachers.
- Teachers will have both formal and informal opportunities to speak to other teachers who have enacted programs and activities in their schools and get their questions answered.
- The workshops and social justice design challenges are all **hands-on** so students and teachers will experience first-hand what it is like to be part of great STEAM and entrepreneurial learning. This will spark new ideas about curriculum and pedagogy.

Who should attend?

- **Students** – those who are already (or aspire to be) STEAM Leaders in your school
- **Teachers** – those who have little experience and those who have a lot
- **Heads of Learning Areas / Curriculum** – who wish to discuss how to create transdisciplinary units that are powerfully engaging
- **Principals and Deputy Principals** – to witness what is possible by embedding the Technologies Curriculum in your school

"It Takes a Spark"

EDUConference

Thursday 9 May 2019

Held by St Saviour's College
Neil St, South Toowoomba QLD 4350
8.45 am – 3.45 pm

(Registration, tea & coffee from 8.15am)



Conference Rates

Student \$XX | Teachers **\$XXX***/\$XXX

***earlybird book and pay by 5 April**

Accompanying Parent \$XX

Inclusive of GST, morning tea and lunch

Introducing the Steering Committee

Jennifer McPhie: Toowoomba Catholic Schools
Cameron Love: St Saviour's College
Amanda Kilgour: QLD Department of Education
Judy Smith: St Saviour's Primary School

Bill Whiting: St Ursula's College Toowoomba
Donna Kerr: Toowoomba Catholic Schools
Adrian Bertolini: Intuyu Consulting Pty Ltd

Program

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 Mini-Master Classes - 50 minutes

Who will present: senior students and / or teachers / university / industry / sponsors

Audience: Teachers

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

DigiDesign Mini Workshops - 50 minutes

Who will present: students and / or teachers / university / sponsors / organisations

Audience: Students Years 4-10 and Teachers

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

Past examples include

- Learning STEAM with Zorb Balls
- How to Make a Mind (Artificial Intelligence)
- Setting up a STEAM Program
- Art and Design using Nudel
- Using Virtual Reality in STEM
- Using the BBC Micro:bit
- Constructing geometric shapes using coding
- Engaging and Synthesising STEM Through Dance

You will participate in Social Justice Design Challenges.

In the past we had challenges varying 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 – 10 students
- This session is an opportunity for 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.

For more information or if you would like to submit an idea contact us:

Dr Adrian Bertolini

Conference Co-Ordinator

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Toowoomba “It Takes a Spark” EDU Conference

9 May 2019 @ St Saviour's College

Time	Agenda	Location
8.15am	Registration, coffee & networking	
8.45am	Master of Ceremonies Welcome to Participants, Set up for the Day, Housekeeping	Main Room
9.00am	Keynote Speaker – TBC (30 min) Theme: Being someone who makes a difference using the skills inherent in STEAM and Entrepreneurship (Creativity, Innovation, Problem Solving, Critical Thinking, Courage)	Main Room
9.35am	Teacher Oriented Mini-Master Classes (Rotation 1) <ul style="list-style-type: none">50 min sessions - parallel sessionsPresented by attending teachers / universities / industry / sponsorsMini-master classes for teachers to explore specific aspect of embedding STEAM in their curriculum (e.g. App design, Creativity, Circular Design, Integrated STEAM, etc.)Various sessions will address beginning teachers, next step and extending	Breakout Rooms You will need to pre-register for workshops
9.35am	DigiDesign Mini-Workshops (Rotation 1) <ul style="list-style-type: none">50 min sessions - parallel workshopsWorkshops demonstrate hands-on STEAM and / or entrepreneurial activities for Year 4 – Year 10 students and teachersPresented by attending students / teachers / universities / sponsors / organisations	Breakout Rooms You will need to pre-register for workshops
10.35am	Morning Tea An opportunity to network with other teachers and students, and explore trade displays.	
11.10am	Problem Solvers <ul style="list-style-type: none">90 min session - parallel sessions aimed at Year 4 – 10 studentsThis session is an opportunity for universities, industry, schools, or community organisations to pose real life design challenges and lead student through the design process to ideate and present possible solutionsOutcome: Students to create and deliver a pitch of their solution by the end of the session	Breakout Rooms You will need to pre-register for particular topic
12.45pm	Lunch An opportunity to network with other teachers and students, and explore trade displays.	

1.30pm	Keynote Speaker – TBC (30 min)	Main Room
	Theme: Being someone who makes a difference using the skills inherent in STEAM and Entrepreneurship (Creativity, Innovation, Problem Solving, Critical Thinking, Courage)	
2.05pm	Teacher Oriented Mini-Master Classes (Rotation 2)	Breakout Rooms
	<ul style="list-style-type: none"> ▪ 50 min sessions - parallel sessions ▪ Presented by attending teachers / universities / industry ▪ Various sessions will address beginning teachers, next step and extending 	You will need to pre-register for workshops
2.05pm	DigiDesign Stations (Rotation 2)	Breakout Rooms
	<ul style="list-style-type: none"> ▪ 50 min sessions - parallel workshop stations ▪ Workshops demonstrate hands-on STEAM and / or entrepreneurial activities for Year 4 – Year 10 students and teachers ▪ Presented by attending students / teachers / universities / sponsors / organisations 	You will need to pre-register for workshops
3.05pm	Where to from here	Main Room
	<ul style="list-style-type: none"> ▪ Awarding of prizes to attendees, conference feedback ▪ Opportunity for teachers and students to meet with university and industry experts, expert teachers and inspiring students ▪ The intent of this session is to build connections and networks to continue growing after the conference 	
3.45pm	Feedback and Close of Conference	Main Room
	<ul style="list-style-type: none"> ▪ Invitation to be on the Steering Committee for following year 	

More information?

Rachel Manneke-Jones

Registration & Bookings

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Dr Adrian Bertolini

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