



Youth Entrepreneurs and STEAM Conference

Wednesday 2 June 2021

St Mary's College, Toowoomba

Beyond the STEM Acronym – empowering thinking, action and independence

The intent of the Youth Entrepreneurs and STEAM conference is to bring together Year 4 to 10 **Boys and their Teachers** to connect with inspiring industry role models, share their current school based activities and projects using an authentic sharing and experiential model, create networks of teachers and student teams, and solve real life design challenges.

Teacher PD workshops from leading STEAM experts, teachers and students on topics as diverse as

- >> 3D Printing Basics
- >> Assessing and Leading STEM Learning
- >> Integrating Technology into your Classrooms
- >> Making Technology Matter in the Mathematics Classroom
- >> Running Engaging Arduino Projects for Students

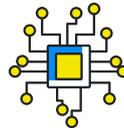
Hands-on sessions for students and teachers, examples

- >> MicroBits Mayhem: MicroBits in the Curriculum
- >> Imagine. Prototype. Automate.
- >> Optimising Rocket Design
- >> The 'Art of Intelligence' – Build Your Algorithm
- >> Combining art and science to explore solar UV radiation
- >> Immersive Science: Collaborative Virtual Reality in the Classroom
- >> Save the Great Barrier Reef from Home/School
- >> Energy Transformation – What a Waste
- >> Blast off the the Virtual Universe

Problem Solvers Sessions, including

- >> BattleBots: A Tale of Mayhem & Destruction
- >> Save Water – Save The Farms
- >> Design a Startup that changes the world!
- >> Coding drones to solve problems

PLUS many more...



Outstanding Keynote Speakers



DR DEREK LONG

Centre for Agricultural Engineering
University of Southern QLD

Derek and the team at the CAE are at the forefront of how drones, robotics, smartphones and machine vision can be used to monitor and improve agriculture such as the cotton, grains and livestock industries. He also enjoys introducing machine vision to school students, and has been running hands-on machine vision workshops for schools in the Toowoomba area since 2016.



PROF JONTI HORNER

Centre for Astrophysics
University of Southern QLD

Jonti is an astronomer and astrobiologist whose research interests include the search for planets orbiting other stars (exoplanets), the formation and evolution of our Solar system, and the factors that come together to make a given planet (like the Earth) more or less suitable for the development and survival of life. He is a keen amateur astronomer and astrophotographer so expect some great images!

MORE INFORMATION: spark-educonferences.com.au/yes-toowoomba-2021/

Contact

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Registration & Bookings

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FREQUENTLY ASKED QUESTIONS

I'm a Primary School teacher - is this suitable for me? Yes, the conference is suitable for students from Grade 4 through to Year 10 and teachers from both primary and secondary schools. We have mini-masterclasses for teachers as well as hands-on mini-workshops in which students and teachers collaborate at primary and secondary levels.

Our school has only a very small budget for STEAM - are the workshops going to help us? Yes, some of the workshops are purely paper based that develop thinking skills whilst others incorporate the use of free software available to schools. Our goal is for teachers and students to experience how simply they can begin authentic STEAM and entrepreneurial programs in their school.

We don't have a STEM/STEAM program at our school, can we still attend? We are quite advanced in the implementation of STEAM in our school, is this suitable for us? Absolutely! We have deliberately sought out activities that are applicable for the many stages that schools may be around enacting STEM/STEAM and Entrepreneurship. Whether you are just at the start or an expert we have a range of teachers and providers who will be presenting ideas and activities that will address your point of need. Our goal is have teachers connect and network with other teachers and take away lots of ideas to implement at your school.

Do we have to submit/propose a workshop to run at the conference? No. However, if you have something you think other students and teachers would like then we would love you to submit a proposal.

We are looking for new and innovative ways to develop our students, will we be able to ask questions and find out what other schools are doing? Yes – this was one of founding intentions for this conference. We want students and teachers to experience a variety of hands-on workshops so they can go back to their schools and infuse new ideas into their programs.

Why are you recommending students to attend and how many can I bring? We have found that the best exemplars of school based STEAM and Entrepreneurship programs in Australia are driven by both students and teachers. We want to spark student leadership in your schools. This is why we are suggesting to schools to bring anywhere up to 15 students to the conference. We have enough going on for over 250 people!

What does my registration include? Every student registration for the Conference includes attending keynotes and access to all activities /events / workshops and materials. Attending PD Teachers will receive a Professional Development Certificate of Professional Learning, access to all activities /events, keynotes, any master class sessions, workshops, presentation materials and notes, access to presenters and professional conversations. Price morning tea (half and full day conference) and lunch (full day conference only)

I have a question about the conference For general enquiries, please contact Rachel@spark-educonferences.com.au or call us on +61 0411270277

Is my registration transferable? Yes, your registration can be transferred to a colleague or student we ask that you provide all transfer details to us by contacting Rachel@spark-educonferences.com.au

What is the refund policy? 75% refund is available from 11 to 30 days prior to the event, after this date or for non-attendance refunds are not available and payment must be made in full. However, we will be pleased for you to transfer your registration to another attendee (see above). Sponsored and supported schools may differ. Please contact office@spark-educonferences.com.au to process this transfer.

Cancellation of an event by us In the event of insufficient applications, the programs will not proceed and registration monies will be fully refunded. In the event of the program being cancelled, registration monies only will be refunded as we will not accept liability for the payment of any other associated costs.

Payment of registration By submitting this form you are confirming that you have been given financial approval by the school/organisation to attend. All registration payments must be made prior to commencement.*Early Bird rate must be paid by the invoice due date otherwise we reserve the right to re-invoice at the standard rate. **Presenter fee (teacher/sponsor/guest) - students must still pay even if presenting.

Student attendees: You agree as your school representative teacher to take full responsibility of the students attending with you. We aim to ensure all presenters/facilitators have their WWCC and the event meets Occupational Health and Safety requirements.

Privacy Policy We promise to keep your information private at all times. We will not sell, pass on or by any other method share your information with a third party. We will store your information for the purpose of communication regarding the event and for methods required by you to use tools associated with this event. You will be added to our newsletter list for future events and correspondence, you are welcome to unsubscribe at any time.

NOTE: We will send emails prior to the workshop requiring you to take actions. This may include completing a short questionnaire to understand your current ability and needs, reading materials, accessing tools, setting up technical requirements, dietary requirements, and a reminder. Whilst we aim to keep these to a minimum your responses greatly assist in making the day more relevant to you.

Seeking Sponsors! The conference brings together students and teachers to create an inspiring future where a community happens. We want all schools to have access to events like this and your support can make that happen. Sponsors have the opportunity to deliver hands-on workshops, contribute to the conversations, help us keep our admission costs as low as possible and offer scholarships. We invite you to consider joining us as a sponsor. Please contact us at office@spark-educonferences.com.au

Accessibility We are committed to making our events as inclusive as possible. If you have additional accessibility requests, please contact us at office@spark-educonferences.com.au

Media on Premises As part of our ongoing commitment to empower students and teachers, we may photograph, video and audio record our events to share important discussions and experiences via our presentation content, so we can scale our reach to people who are unable to attend our events in person. By entering our event location during our event, you agree that Spark Education Conferences has the right to use your likeness, image, voice, etc. in photos, videos and in any educational, marketing, advertising or related endeavours relevant to the work. You will not be compensated in any way for the use of your likeness, image or voice, etc. Being on the premises during our event means that you release and hold harmless Spark Education Conferences from any claims or actions that arise as a result of this production. You may opt out at any time by letting us know.

Thank you so much for your support and cooperation. We look forward to partnering you to create an inspiring conference.