



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 social justice 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

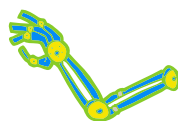
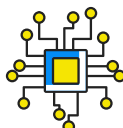
Hands-on sessions for students and teachers, examples

- >> 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...



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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