

Alignment of STEM Awareness Programs in Primary, Secondary and Tertiary Education Sectors

Scott SMITH

Southern Cross University, Australia

Australian Council of Engineering Deans (ACED)

scott.smith@scu.edu.au

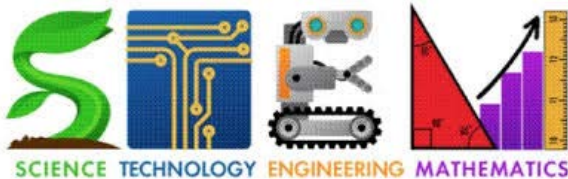
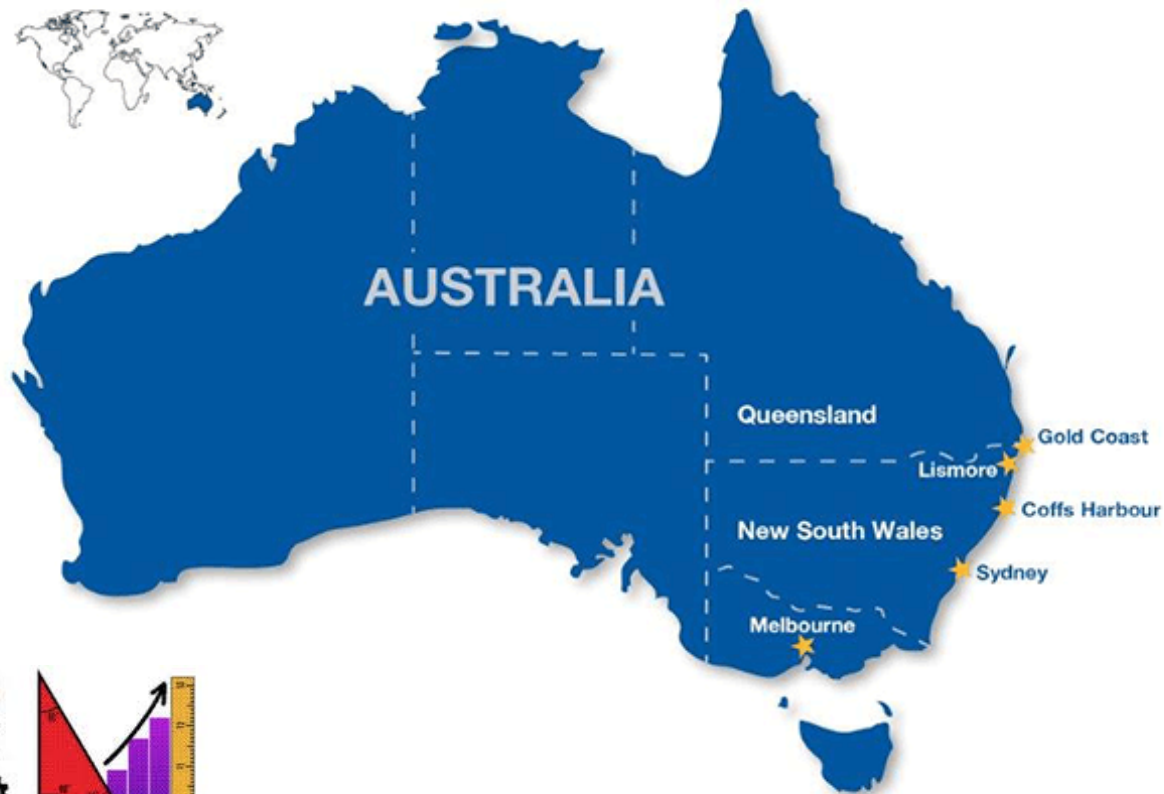
WEEF & GEDC 2016, Seoul

World Engineering Education Forum & Global Engineering Deans Council, 2016

Nov. 6 ~ 10, 2016 COEX, Seoul, Korea

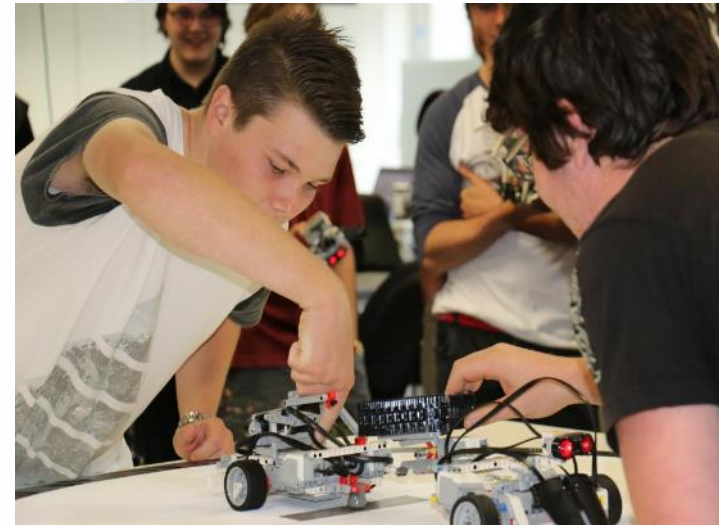
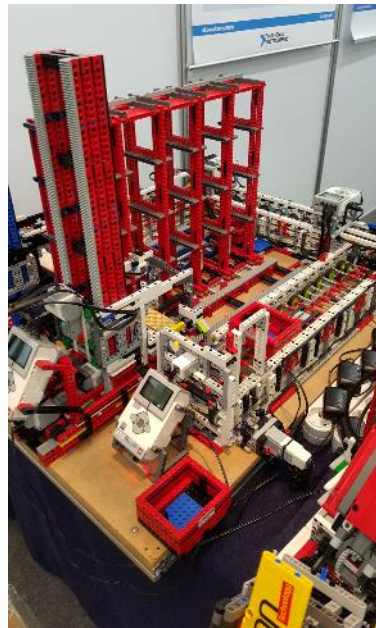
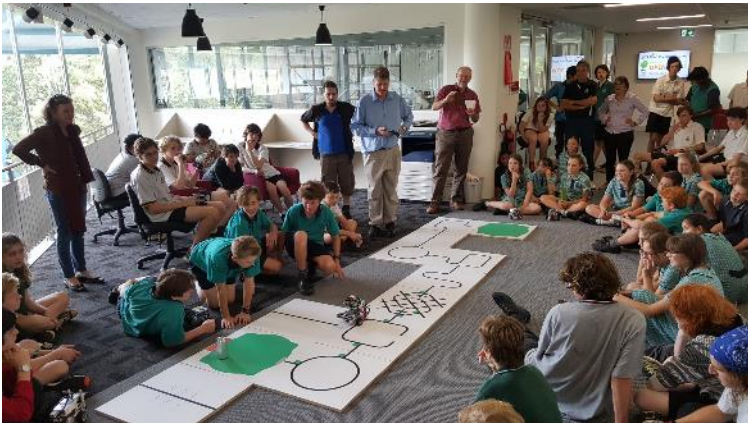


STEM (Science, Technology, Engineering and Mathematics) awareness in the Northern Rivers region



Primary → Secondary → Tertiary → beyond

Robots
=
Engagement



Tap into the Fourth Industrial Revolution...Digital Literacy

- Programming with Scratch, Python, HTML, CSS (GROK Learning)...surpassed my Fortran and Pascal abilities
- Lego Mindstorm, Sphero, Bee-Bot, Osmo, Dash, Arduino, Raspberry Pi
- BBC Microbit (one million Year 7's in Britain each been given one)
- Leading to an exciting future...the next generation of STEM enthusiasts

