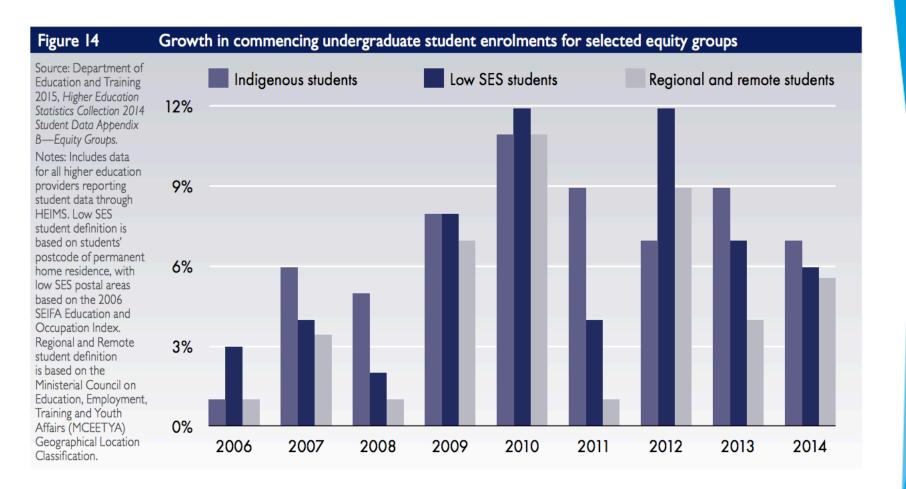


Aboriginal and Torres Strait Islander STEM education

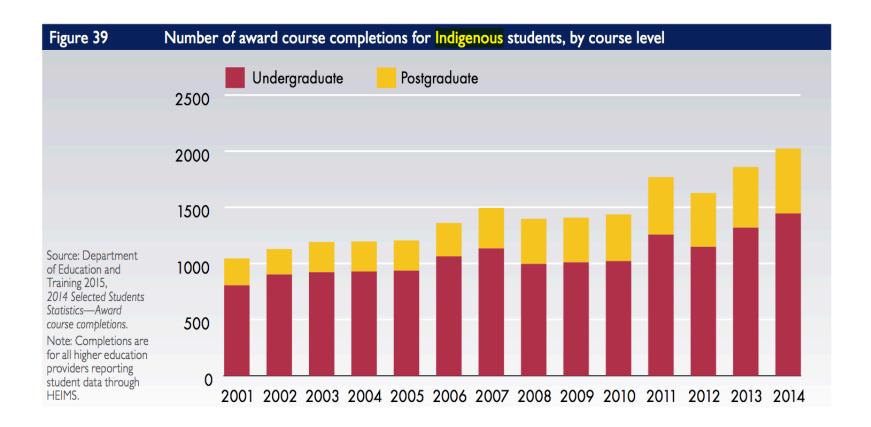
Peter Radoll
Dean of Aboriginal and Torres Strait Islander
Leadership and Strategy

Indigenous Enrolments Growth 2006 – 2014





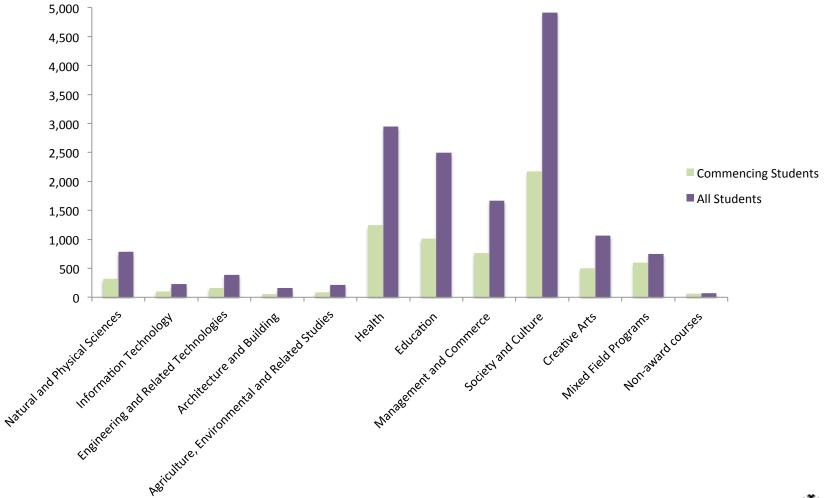
Indigenous Completions Growth 2001 – 2014



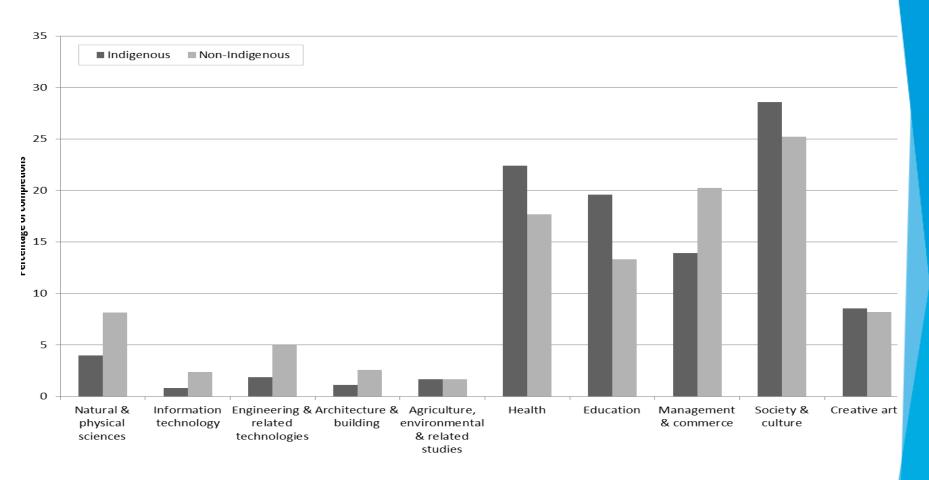




Indigenous Enrolments by FOE – 2014 (commencing and all students - 15678)



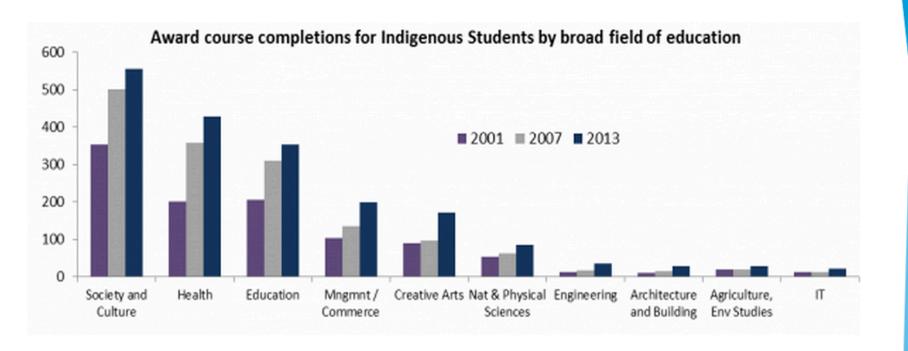
Award completions by field of study by Indigenous status, Australia, 2010–12

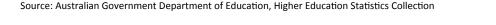


Source: Australian Government Department of Education, Higher Education Statistics Collection



Indigenous award completions by Indigenous Status (2001,2007,2013)







Anti-Diffusion

(this page redacted – not yet approved for publication)



What at the challenges?

- Lack of appreciation of STEM degrees
- Lack of Indigenous role models growing number of non-Indigenous researchers
- Mathematics in School
- Time on task impact of cultural programs, tutoring programs, time out of class.
- The way we "market" university to schools and students



Opportunities

- Make geeks cool in the Indigenous community
- Provide a link between STEM and Indigenous Cultures
- Inform students about the importance of Mathematics
- Align cultural and extra-circular school activities to not clash with Mathematics classes



What I have worked on – Strategic Approaches

- Inspiring Australia's Indigenous Engagement in Science Report
- Foundation document for the establishment of the Indigenous Digital Excellence Agenda at the NCIE – Telstra Foundation
- Digital Careers ACT and NSW
- ACS
- GoDigi Australia Post and Infoexchange
- AJIS ACIS
- Australian Science Media Centre Susannah Elliot NAB
- Aboriginal Summer School for Excellence in Technology and Science – CSIRO/BHP

