



## ENGINEERING WORKSHOP: REACH FOR THE SKIES!

School holiday workshops at UTS :: October 2017

**WHEN:** Wednesday 4 October 2017, 9:30am – 4:30pm

**WHERE:** University of Technology Sydney, Broadway Campus

**FOR WHOM:** Year 4 – 8 students

**REGISTER:** [www.bit.do/brightfutures17](http://www.bit.do/brightfutures17)

**COST:** \$100



**WORKSHOP:** Engineer a working hydraulic crane! Ever wondered how hydraulics work? What about the difference between hydraulics and pneumatics? The challenge in this workshop is to move an item from one table to another using a crane you have designed and engineered to carry the item. Use a variety of controls to move the arms, raise and lower the item and move it around. Compare pneumatic pressure and hydraulic pressure for operation. Build complex levers, pulleys and more!



**FACILITATOR:** Jonathon Mascorella is passionate about young people developing critical thinking. He is a PhD candidate whose research is in the area of Education policy, as well as an Apple Distinguished Educator, midnight software engineer, father of two and Kung Fu black belt. He has worked on the Technology NMC Technology Horizon report and is currently a lead teacher in Technology Learning at his school. Jonathon teaches software engineering and design and technology and he has a passion for enhancing learning with STEM principles. Jonathon thrives on challenges and talking to people about overcoming theirs.

Registrations are now open!

For more information contact the International Research Centre for Youth Futures  
[www.bit.do/brightfutures17](http://www.bit.do/brightfutures17) :: [ircyf@uts.edu.au](mailto:ircyf@uts.edu.au) :: 02 9514 2752

