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Futures

INTERNATIONAL RESEARCH CENTRE FOR
Youth Futures

UTS
UNIVERSITY OF TECHNOLOGY, SYDNEY

ENGINEERING WORKSHOP: ROCKETLAB

School holiday workshops at UTS :: April 2019

WHEN: Tuesday 16 April 2019, 9:30am – 4:00pm

WHERE: University of Technology Sydney, Broadway Campus

FOR WHOM: Year 4 – 7 students

REGISTER: www.bit.do/brightfutures19

COST: \$100



WORKSHOP: Design your own rocket, test it and fire it. Everyone knows how to draw a rocket, but how do you design one that flies really well? At RocketLab you will be developing theories on rocket design and constructing equipment to test your own designs. After launching your rocket you will review flight experimental data to revisit your theories and designs to fly higher and straighter. Bonus 2019 material for those who attended in 2018: You'll be designing bigger and better rockets.



FACILITATOR: Stuart Warren's favourite subject at school was physics, wholly because his teacher used to build submarines and was able to relate the subject back to his industry background. Stuart has been running STEM programmes on a weekly basis for the past 5 years, with highlights including teaching 7 year olds the principle of trilateration used in GPS and building a working recycling plant. He has coached First Junior FLL and FLL Lego robotics teams. A love of physics inspired Stuart to study engineering at UTS. He has since designed software and electronics in mining (Rio Tinto), automotive (Delphi), medical (Photonics Research Ontario) and consumer electronics (Canon) industries - sadly no submarine projects yet. At UTS Rapido, he works to translate UTS research into future products. Stuart aspires to break the world record for the tallest bicarb soda and vinegar volcano (currently at 10.2 m).

Registrations are now open!

For more information contact the International Research Centre for Youth Futures
www.bit.do/brightfutures19 :: ircyf@uts.edu.au :: 02 9514 2752