YOU TO THE POWER OF US IS A CAMPUS BUILT FOR COLLABORATION

CAREERS ADVISERS AND TEACHERS DAY

YOU

(US)

When your potential is multiplied by a university built for collaboration, anything can be achieved.

CRICOS Provider 00002J
Global Challenges

LIZZY CLARKSON
STUDENT, BACHELOR OF SCIENCE WITH BACHELOR OF ARTS
Why Global Challenges?

WHAT IS A GLOBAL CHALLENGE AND WHY SHOULD WE SOLVE THEM?

WHAT ARE SOME EXAMPLES OF GLOBAL CHALLENGES?
Global Challenges

EXAMPLES OF GLOBAL CHALLENGES

- Climate Change
- Anti-microbial resistance
- Artificial Intelligence (AI)
- Cyber security
- Food security
- Mental Health
- Women’s Health
- Population Growth and Movement
- Ageing and Life Expectancy
- Autonomous Futures
- Poverty and Wealth Distribution
MQ’s approach to solving Global Challenges

THE MACQUARIE DIFFERENCE

- Practical approach to studies (PACE)
- Interaction with industry to fix real world challenges
- Australia’s innovation quarter (Macquarie Park Innovation District)
- Integration of all areas of STEM to collaborate and effectively solve today’s challenges
- World-Class facilities to enable our collective to achieve great things
Professional and Community Engagement

SCIENCE IN ACTION
Solve a Global Challenge (25 minutes)

Global Challenge (15 minutes):
• In your group, brainstorm solutions to your designated Global Challenge
• Design a solution integrating multiple facets of STEM (be creative!!!)
• Optional: you can use the materials available to you to build a prototype

Shark tank (10 minutes):
• Pick a representative from your group to deliver a 1 minute elevator pitch
• Describe your challenge, solution and how STEM skills have been used to ‘solve’ the challenge.
15 minutes to develop your solutions prototype
SHARK TANK
1 MINUTE ELEVATOR PITCH
STEM school engagement

2018 ACTIVITIES, EVENTS, WORKSHOPS

- STEM Bootcamp: Coming soon! Stay tuned...
- Cyber Security Challenge: 18 September 2018
- SPACE, Stem & Your Future: 25-27 July 2018
- Pioneering Women in STEM Program (12 weeks program): August - November
- STEM workshops in schools – ongoing

- Faculty of Science and Engineering Scholarships
- Bachelor of Science – Global Challenges
Thank you

JOIN THE PROBLEM SOLVERS

TACKLING GLOBAL CHALLENGES

CYBER SECURITY
BIODIVERSITY COLLAPSE
BATTLING SUPERBUGS
FEEDING 10 BILLION PEOPLE

mac.edu.au/about/STEM-Careers