"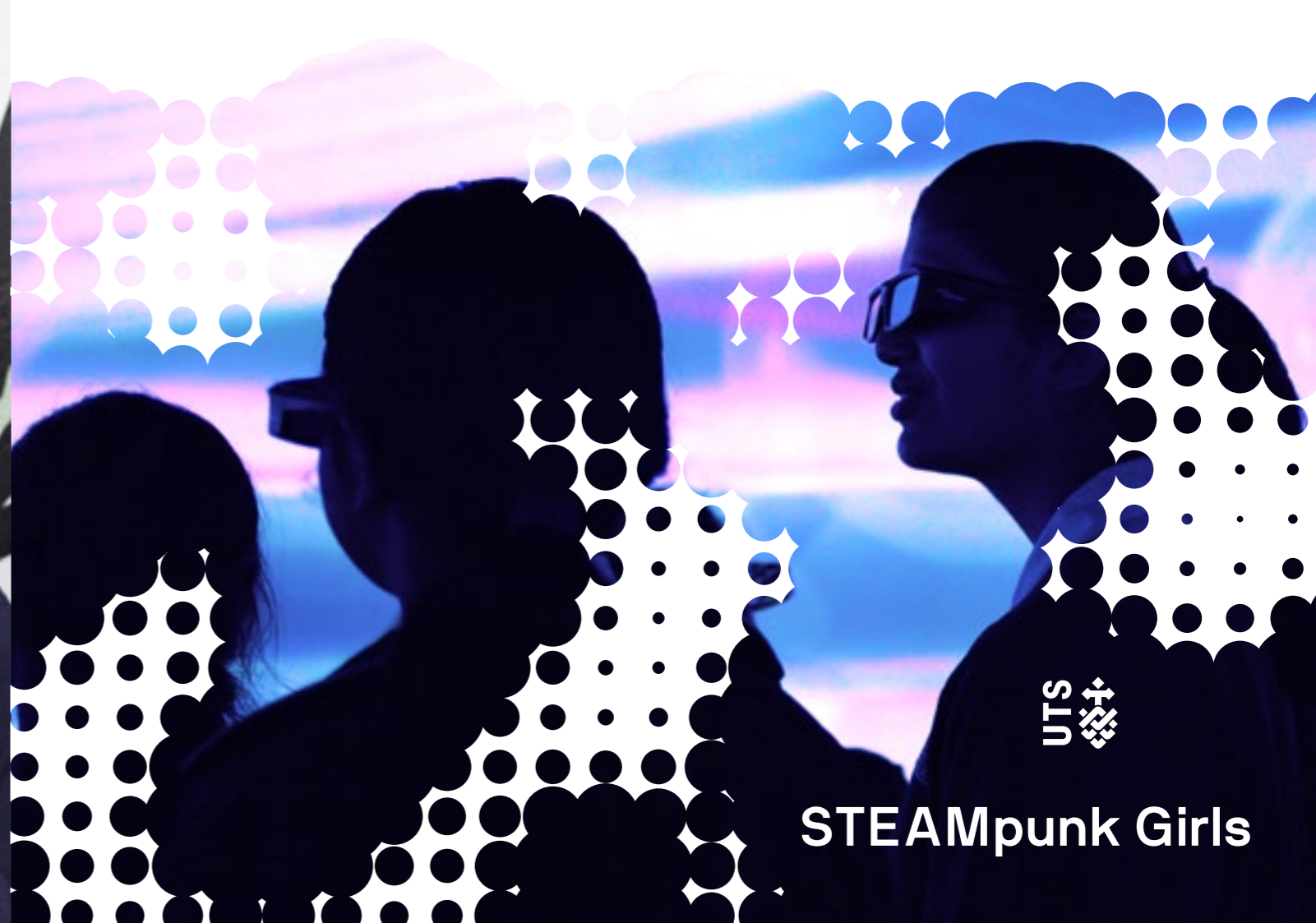STEAMpunk Girls opens up the thinking that there are more pathways you can take that aren't gender-based. You learn to break the stereotype of the 'traditional' profession which can stick with you. The skills you learn, such as communication and empathy, are skills to build on throughout your life."

Amal Al-Najam
Year 11 student and STEAMpunk Girls
Co-Designer

STEAMpunk Girls

"The kind of skills that you're learning here are going to be invaluable when you start your careers. Whilst it's hard to know what jobs will be around in the future, we do know the kind of skills that you will need in that world."

Mark Scott, Department of Education, STEAMpunk Girls Showcase 2017

"The students we teach face uncertainty about career opportunities and future jobs. The job market is also becoming increasingly global. We need to find pathways to ignite STEM passions in our female students who tend to adopt a more traditional pattern of study – a connection with the Arts provides one avenue. Promoting a STEAM approach at Riverside has been one way to engage and stimulate student interest and develop cross curriculum opportunities."

Lisa Wark
Head Teacher Technology and Applied Studies,
Riverside Girls High School. STEAMpunk Girls
Co-Designer

What is STEAMpunk Girls?

STEAMpunk Girls is a unique interdisciplinary educational program working at the intersection of high schools, industry and university. The program aims to empower young women to be equipped for the future workforce by fostering the growth of an entrepreneurial mindset, and supporting young people to develop their transversal and STEAM skills. These include critical and innovative thinking, problem-solving, and numeracy and literacy skills. The STEAMpunk Girls program works with innovative, enthusiastic teachers to deliver a core program which exposes young women to STEAM, female role models, new ways of thinking, and emerging tech. Utilising project-based learning, participants apply these experiences and a STEAM mindset to developing a project in response to a problem in their local community.

STEAMpunk Girls is powered by the Innovation, Entrepreneurship and Creative Intelligence Unit at the University of Technology Sydney.

STEM (science, technology, engineering & mathematics)
+ arts, humanities and social sciences
+ entrepreneurship

= STEAM

Program objectives

1. Empower young women from Sydney and regional NSW to identify STEAM interdisciplinary and entrepreneurial study and career pathways, and imagine and forge their own pathways

2. Build the capacity and skillsets of young women by helping them develop 21st century skillsets

3. Influence industry, government and the education sector by empowering young women to have agency and participate in conversations around gender equity, future industries and innovation

Get involved

Become a STEAMpunk: If you're curious, excited or intrigued by our program and want to engage with all things STEAM and entrepreneurial, then we'd love you to hear from you! We have resources and programs designed specifically for young women just like you.

Join our education community: If you're an educator or a careers advisor, we'd love to welcome you into our education community. Joining this community will help connect you with other people working in this space. You will also get access to resources and upskilling opportunities to help you empower young women through STEAM education.

Join our ecosystem: We love hearing from people that are working across female empowerment, STEAM and entrepreneurship. We're keen to collaborate and share knowledge across these areas.

steampunkgirls@uts.edu.au
steampunk.uts.edu.au