



**ST PETERS
GIRLS**

Girls in Tech

Expo 2019



**Friday 8 March 2019
9am – 2.45pm**

St Peter's Girls' School, Stonyfell

Girls in Tech

Expo 2019 at St Peter's Girls

Welcome to St Peter's Girls' School's Girls in Tech Expo for 2019!

Following the stunning success of our inaugural event last year, we are thrilled to once again host this outstanding learning opportunity that promotes technology and the rewarding career paths associated with the field. It is also a fitting way to celebrate International Women's Day and to launch the 2019 Search for the Next Tech Girl Superhero challenge, a youth STEM entrepreneurship competition that encourages girls to tackle real-life problems with technology solutions.

We are delighted to welcome Year 6 and 7 girls from local schools for a day of exciting seminars and interactive workshops hosted by a variety of industry experts.

From virtual reality to drone piloting and driverless cars to beat mixing, there will be something for everybody, and we warmly invite parents of visiting students to join us in the Arts Centre for the closing presentation at 2.30pm.

We look forward to sharing this tech spectacular with you!

Julia Shea
Principal

Guest Speaker Julie La Rosa

Executive Director - Strategic, Skills and Government Relations, Defence SA

Before joining Defence SA in 2015, Julie spent more than a decade in the defence industry, holding director and general management roles. She has worked as a ministerial adviser in South Australia, supporting the Defence Industries and Veterans' Affairs portfolios, and was formerly a board member of the Defence Teaming Centre Inc.



Girls in Tech Workshops

Robogals

Robogals is an international, not-for-profit organisation run by university students which offers robotics workshops to school students. Girls will learn how to program a Lego EV3 robot through basic block coding and flow control statements.

Code Camp

The only thing more fun than playing video games is making your own! Design and code your own game with Code Camp World. We will use block code to create some snazzy level designs where your only limit is your imagination.



Girls in Tech Workshops

Arduino - UniSA

This session will provide students with the knowledge of how to access open-sourced Arduino code, and then utilise those skills to modify/apply code to perform specific purposes.

Sphero “Battle of the Bots”

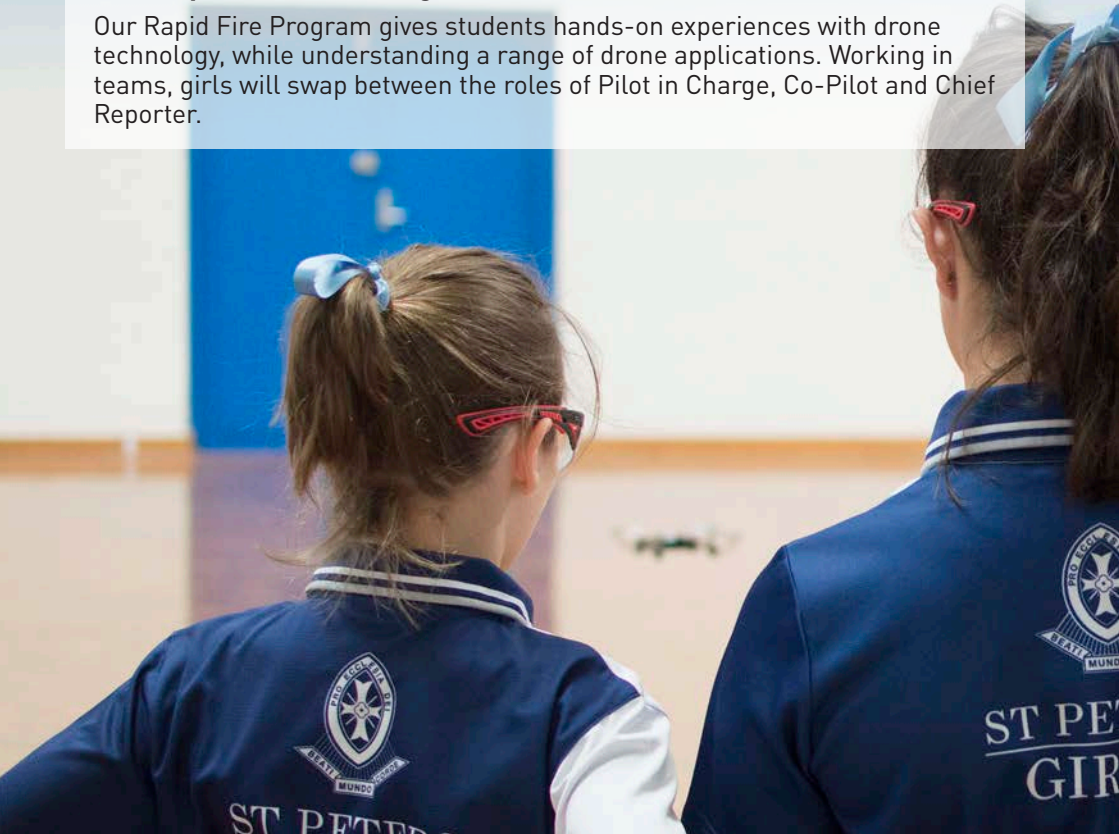
Challenge your opponents by building chariots to create a way to drive your Sphero and pop the balloon first.

Microbit “Movement Tracker”

Ever wondered how a fitness tracker works? In this session, we learn how to make our own pedometers.

She Maps - Drone Piloting

Our Rapid Fire Program gives students hands-on experiences with drone technology, while understanding a range of drone applications. Working in teams, girls will swap between the roles of Pilot in Charge, Co-Pilot and Chief Reporter.



Sustainable Communities Designathon

Are you ready to design the future? We are looking for your ideas around creating sustainable communities and will be using the Design Thinking framework to see how automation, drones and other technologies can solve customer pain points.

ARKit Development

Students will be digitally planning, creating and retelling elements of narrative. By using iPad ARKit, girls will be able to construct their literacy both audibly and with visuals set in an augmented living space that can later be shared with a wider audience.

Hip Hop Beats

Delve into the world of Music Technology during hands-on beat making activities with iconic rapper Optamus from Downsyde. Along with rhyming/ lyric writing sessions which bolster literacy and vocabulary, this workshop is action-packed from start to finish.



Saints Girls flying a drone at Girls in Tech 2018

Girls in Tech Timetable

	GROUP 1	GROUP 2	GROUP 3	GROUP 4	GROUP 5	GROUP 6	GROUP 7	GROUP 8	GROUP 9
9am	WELCOME								
9.15am	Microbits	Spheros	Robogals	Sustainable Communities	Arduino	ARKit	She Maps - Drones	Hip Hop Beats	Code Camp
10.30	RECESS								
10.45	Robogals	Sustainable Communities	Spheros	Microbits	She Maps - Drones	Code Camp	Hip Hop Beats	ARKit	Arduino
12 noon	LUNCH								
12.45pm	GUEST SPEAKER - Julie La Rosa								
1.15pm	Sustainable Communities	Robogals	Microbits	Spheros	Code Camp	She Maps - Drones	ARKit	Arduino	Hip Hop Beats
2.30pm	NEXT TECH GIRL TALK - CLOSE								

Girls in Tech

Expo 2019 at St Peter's Girls

St Peter's Girls' School would like to thank the following for helping to make the Girls in Tech Expo a reality:

- Defence SA
- Schneider Electric
- Hack Aus Education
- Optamus Education
- She Maps
- UniSA
- Robogals
- CSER Group
- Air Warfare Centre
- Department of Human Services, Cyber Security
- Apple Education
- Code Camp
- Tech Girls Movement

Life Is On

Schneider
Electric

TGM

Join the Tech Girls Movement

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Explore our website
www.stpetersgirls.sa.edu.au

Connect with us on LinkedIn

125

ST PETERS GIRLS

Celebrating 125 years 1894 - 2019

CHALLENGE YOUR THINKING

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