



STEM FOR GIRLS

Project name	STEM FOR GIRLS
Amount requested	\$16 437 out of \$29 837, with scholarships available
Applicant	Sharon Tourtouris
Auspiced by	Yangebup Family Centre
About the project	<p>Maximum of 20 students per class. Holiday Program half day sessions run for Junior, Intermediate and Senior age groups at Yangebup Family Centre and Meerilinga on different school holidays Term program (8 weeks) run for Junior, Intermediate and Senior age groups at Yangebup Family Centre and Meerilinga run in different school terms</p> <p>Classes run by female STEM workers with the support of volunteers (female STEM workers and Uni students) Guest STEM speakers (preferably female)</p> <p>STEM stands for Science, Technology, Engineering and Maths (STEM). It's an acronym that was coined to address the current and future shortage of skilled workers in high-tech fields, and the inadequate education of students in these areas (Go Science Girls, 2018).</p> <p>STEM for Girls aims to engage girls in fun, age appropriate activities to ignite their natural curiosities and abilities. STEM for girls provides a safe learning space where girls are encouraged and challenged, free from the barriers that co gender learning environments create.</p> <p>Engineering for Kids Australia (EFK) has an exciting curriculum that invites children to have fun while they use their knowledge of engineering and science to design, create, and improve solutions to engineering problems.</p> <p>Children are natural engineers and love building and taking things apart. Programs engage students in hands-on, real-world engineering experiences. The programs are facilitated by trained individuals who encourage and enhance these learning experiences.</p> <p>Women tend to be under-represented in STEM education and training in most countries around the world, and Australia is no exception (Marginson, et al., 2013). In Australia only 28% of all qualified STEM</p>

	<p>workers are female (Women in Stem).</p> <p>The early engagement and education of girls in STEM has been proven to counteract the underrepresentation of females in STEM employment later in life. Stem for Girls seeks the support of the City of Cockburn to break gender stereotypes and engage parents and girls in STEM activities from an early age. Studies have shown that by mid childhood girls already believe that STEM careers are not for them, however, with encouragement from adults this notion is easily rectified.</p>
Who will benefit from the project?	There are 3,500 girls aged 5-9 years in the City of Cockburn (Forecast ID). The City has a diverse economic profile including the growth of the Professional, Scientific and Technical Services which is up 1,049 jobs from 2010/11 (Economy ID, 2015/16) with strong growth predicted in years to come. It is vital we support our female workforce of the future to be able to access these jobs.
Summary	STEM for Girls aims to engage girls in fun, age appropriate activities to ignite their natural curiosities and abilities in the STEM field from a young age. STEM for girls provides a safe learning space where girls are encouraged and challenged, free from the barriers that co gender learning creates.

BUDGET

STEM for Girls Application

Income	\$	
Grant Request (Cash)	\$16,437.00	
Organisation Contribution (In-Kind)	\$2,400.00	Staff time Meerilinga & YFC
Participant fee holiday workshops	\$1,800.00	Holiday workshop \$15 x 20 children x 3 programs = \$900 per venue - YFC & Meerilinga
participant fee after school	\$7,200.00	Participant pays \$60 x 20 children x 3 programs = \$3600 per venue - YFC & Meerilinga
Volunteers (In-kind)	\$2,000.00	Sharon & community volunteers \$25 (80 hours work)
Expenditure	\$	
Project support (in-kind)	\$2,400.00	Provided by YFC & Meerilinga assist with application, administration of project, support volunteers, research (\$40p/h x 60 hours)
Flyers	- \$547.00	Printing by admiral
Holiday workshop student enrollment subsidy	\$3,240.00	Holiday workshops: \$42 per half day (charge per student \$15) (20 chn x \$27 fee = \$540 per session x 3 = \$1620 per

After school student enrollment subsidy	\$13,200.00	venue - YFC & Meerilinga After-school term classes (8 sessions): \$170 per student per term (charge per student \$60) 20 chn x 110 x 3 sessions = \$6600 per venue - YFC & Meerilinga
Other subsidies	\$3,000	
Financial Hardship assistance	\$750.00	Holiday Workshop 10 children x \$15 / 8 week program 10 children x \$60
Venue Hire	\$2,700.00	\$30/hr activity room hire, 4hrs x 3 holiday workshop = \$360 . After school \$30 x 4hrs x 9 sessions = \$990. \$360 + \$990 = \$1350 per venue - YFC & Meerilinga
Admin (Phone, Internet, Photocopying, Stationery, Catering, Posters etc)	\$2,000.00	\$500 per program x 4
Volunteers (In-kind)	\$2,000.00	Sharon & community volunteers \$25 (40 hours work)
Totals Should Balance	\$29,837.00	\$29,837.00