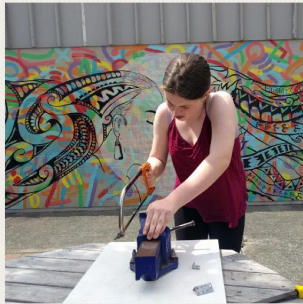




GIRL POWERED AWARD 3204E



RIC COLLAGE



Hello, is the 3204E Girl Powered Award Submission. As a team we believe we have been very lucky to have opportunities that allow us to play a very active role promoting Girl Powered in the community, from activities such as the Girl Powered STEM Workshops (organized and ran by Anna Skiffington last year and co-organized with Jorika Bonkowska this year) to members of our team going to the Growing New Zealand Innovation Challenge, where the two members of our team (Anna and Jorika) won their section of the competition.

Science Technology Engineering Maths

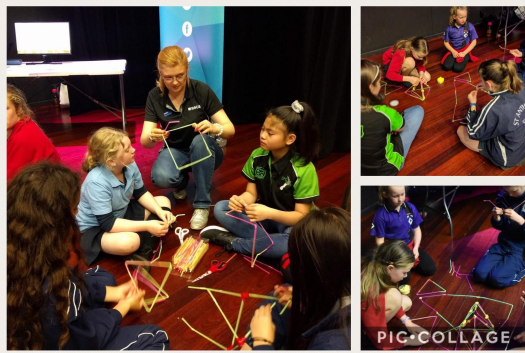
One of the most impactful things we have done for the “Girl Powered” initiative was organize and run a two day event called the “2019 Girl Powered STEM Workshop”. The event took place on the 15th and 17th of October and had a multitude of speakers from different STEM fields talking to roughly 80 students over the two days.





For one of the stations a scientist came from Horizons Regional Council to talk about rainwater and how the council monitors it (e.g. showing how rain gauges and electronic water quality sensors work).

Also coming from Horizons was a small team of water engineers. They borrowed a water table from Massey University to show how a river erodes landscapes and how engineers fight to slow it down.



Like Horizons, BECA also had two stations, this one focusing on building services engineering. The activity was to try and build the most structurally sound 'building' with the materials given, each one getting progressively harder.

The other group focused on transport engineering and the issues and challenges that come with the job, as well as talking about several female role models in the engineering world such as Patrycja Bonkowska, the woman who ran the first activity done by BECA and is the branch manager for Palmerston North.



For one of the stations the NZ Defence Force came in and talked about how STEM coincides with their line of work.



A different station focused on how we can implement STEM into problem solving (e.g. how can STEM help solve climate change).





A lecturer from Massey University came down and talked about the science behind how moisturizer is made and the students had a chance to make their own.





Jessica McGaffin and Nicole Champagne came from Australia to talk to the students about how to find a career best suited for you.



For this station one of the co-organizers, Anna, ran a station where the students could build their own robot, Mia.



As you can see our team is constantly looking for ways to broaden our horizons and share VEX to everyone in the community, as we believe STEM careers are the careers of the future, and we want the future to be full of different ideas and perspectives to benefit the world as a united whole. For us the term “Girl Powered” means a future not held back by old stereotypes and customs, allowing everyone a chance to make the world a greater place, using their own unique gifts and talents to turn the dreams of the future into the reality of the present.