



SPECIAL POINTS OF INTEREST:

- **First Australian FRC Regionals!**
- **We won an award!**
- **The best way to spend a rainy day—rebuilding an age-old robot.**
- **STEM lady luxuries are truly top notch!**
- **Where can you find us next?**
- **Join us for a bonfire night!**

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RoboRoos Newsletter

MAY, 2015

FRC Australian Regionals 2015



The first ever official regional in Down Under and our team was there! I think that is something that everyone who attended will remember their whole lives as one of those special things.

Overall for the RoboRoos the competition was a success. We competed well, although the first day where we had hoped to practise and build up our driving skills was spent doing a series of nerve-racking fixes. Every compe-

tition when we arrive there is something wrong with the robot and this time was no exception!

During the qualification matches on the second and third day we climbed slowly up the ladder and ended up 10th out of 33 teams. We're pretty happy with that! On the last day while sipping from our juice boxes on our lunch break, we hurriedly planned our alliancing and final game strategies and got

together with our amazing alliance partners team 5761 Illawarra and team 5663 Rio Tinto Ground Control. After a group huddle, together we played a couple of thrilling games where while we may not have won, I know as one of the drive team members, were really great matches where the robots in our alliance worked together succinctly and effectively. And we ended up with the FIRST® Robotics 2015 Regional Creativity Award sponsored by Xerox!!! And let me tell you, that award looks very fancy.





MATERIALS!!!

RoboRoos will be in need of materials for next season, so if you have some offcuts lying around your shed that you would like to donate, please be aware that although the season is over, we will need materials in the future!

Please contact Geoff Mansfield on Geoff.Mansfield@roboroo.s.org.au or on 0432 905 453.



Robot Rebuild Day (18 April 2015)

By mid-morning on this rainy cold Saturday, half of the RoboRoos team are working away in the Mansfield's garage – steadily if not quietly! All day we laboured in that cold place, brains groaning (have you ever tried to put a robot that you haven't used for several years back to together from individual

pieces with only a handful of photos?) and hands working, with the constant rain on the tin roof as the background music.

But although conditions were not top notch, we have to be grateful that at least it wasn't 40 degrees like it was in the build season! And we got heaps and heaps of jobs done. Galahad and R5 were rebuilt,

the crate was repaired after being mauled by a forklift in Sydney, the media tasks were done and we even had a visit from a member of the Unley Council, Alyssa Hill, a prime sponsor of ours, come and say hello! A special thanks to Bre and Belinda for chatting to her and making her feel welcome. So I call it a successful day!

Empowering Girls Through FIRST®

Females are an incredibly important part of FIRST® (For Inspiration and Recognition of Science and Technology), however unfortunately there is a huge lack of them in STEM (Science, Technology, Mathematics and Engineering) industries. Through programs, companies and organizations do all they can to bring girls in and show them what wonders and new, once in a lifetime experiences they can gain.

So FIRST® Ladies was born. A place where all of the amazing females in FIRST® can come together, often eat cupcakes, share their stories and meet new people.

When we were in Sydney at the latest competition we went to one of these remarkable events. While the boys sat in the stands and worked on software for the robot (or was it just games??), all the girls went and had a ball. Accompanied by sweets, refreshments and speeches from some of the most

influential woman in the industry we mingled in a room that was too small for us because the organizers were not expecting the huge amount of girls that turned up which is fantastic! Except for the fact we were so squashed... Oh well, next year when FIRST® has expanded in Australia even more they will know to plan for lots of us - because we'll be there! Google sponsored this event and are strong promoters of FIRST® Ladies.

Plans for the Rest of the 2015

Now that the build season is over, new members often think that they get a break for a while. Nope! Nice try, but FRC is a year-long program. So from now until next year's build season, we will be working mostly on media and outreach. We are currently organising to go on school

visits to all of the different schools that our diverse range of community members go to. We are planning to show our robot to the public at a range of events including the Royal Adelaide Show, Science Alive, AVCon and our own open day. In the next few months the media sub-team will also be working

on award submissions, finding a new home for our team to make our base, and to get more sponsorship while looking after our old ones. At this stage the team is also potentially going to DDU (Duel Down Under), an offseason Australia FRC competition held in Sydney.

MAY 2015

Mon	Tue	Wed	Thu	Fri	Sat	Sun
				1	2	3
4	5	6	7	8	9 Haigh's Proto-type meeting	10
11	12	13	14 Mayors Round Table, Unley	15	16	17
18	19	20	21	22 SA Community Science Week grant	23	24 Child safe training
25	26	27	28	29	30	31

JUNE 2015

Mon	Tue	Wed	Thu	Fri	Sat	Sun
1 Seaford High School demo	2 Adult members RoboRoos meeting	3	4	5	6	7
8	9	10	11	12	13	14
15	16 Adult members RoboRoos meeting	17	18 Glenunga High School demo	19	20 Shed opening day and AGM	21
22	23	24	25 DDU	26 DDU	27 DDU	28
29	30					

Schedule of Events

- | | |
|---------------------------------|--|
| } 17th—19th July—AVCon | } 4th—13th September—Royal Adelaide Show |
| } 7th—9th August—Science Alive | } 1st November—Adelaide Mini Maker Fair |
| } 15th—23rd August—Science week | } 15th November—FLL competition |
| } 23rd August—RoboRoos open day | |



Hopping into engineering!



Who are the RoboRoos?

We're a community group, FIRST® Robotics Team and so much more—including South Australia's first and only FRC team.

The team's purpose is to excite young minds about STEM (science, technology, engineering and mathematics), by using a common interest: Robots.

As part of this, students get real industry experience, with help and guidance from dedicated industry professionals as mentors. It circumvents the age-old circle of being unable to get a job due to lack of experience.

Part of our ethos is to maintain a gender balance, which we continue to strive for and achieve.

www.roboroos.org.au

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