



SPECIAL POINTS OF INTEREST:

- The 2016 game has been released!
- Supporters Day is to be held on the 31st of Jan
- Did you know we are going for Chairman's?
- Check your emails for details about Australia Day
- Read the report from our team captain Belinda

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RoboRoos Newsletter

JANUARY, 2016

FRC Stronghold Game Release Night



There was much debate about whether staying up all night before kick-off was a good plan or a really, really bad one. The pro team won, and on the 9th most of the RoboRoos piled into the Mansfield's backyard for an all-nighter. This year's game challenge, FIRST Stronghold,

was released at 10am in America and 2:30am for us down under, hence the all-nighter. We spent the time before playing TF2, watching Pitch Perfect singalong 1 and 2 and playing Cards against Humanity. Everyone (supposedly) went to sleep around 5am after discussion



about the exciting new game this year. Everyone was a bit spaced out the next day but ideas flowed well and it was a great night.

-Emily Mansfield

Game Overview

FIRST Stronghold is a medieval themed game where robots are required to work together with their alliance to cross various defences, shoot boulders in high or low goals and climb the opposing teams 'castle'. Watch the video: <https://www.youtube.com/watch?v=VqOKzoHJDjA>

Supporters invited to share the excitement of our 6 week robot build

Sunday 31st January is half way through our 6-week challenge and we invite our supporters to the RoboRoos workshop at 22 Leeds St, Wingfield to showcase our work. Come along at 2pm to hear about this year's medieval themed challenge. We will reveal our design and show the fantastic progress made in 3 weeks during school holidays. Team members will answer questions and look forward to hearing your feedback. Supporters unable to attend can book a time to see the robot on Friday 5th February and speak with our Chairman Peter Ryan-Kane and lead mentor, Rob Zibell. Contact us at roboroos@roboroos.org.au



Australia Day Reminder

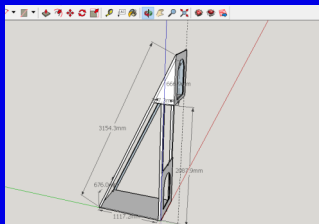
Check your emails for the details of our Australia Day

ning to celebrate the incredibly successful start to the season with fish and chips and a

swim, and have even invited the FLL team to join us. See you there!



"We have been invited to the FIRST LEGO League internationals!"
-Charlie R-K



FLL Nationals and Invitations

Off we go again, packing our robot (the Tiny Round Unicorn) and heading off to Sydney with a new team of very enthusiastic young students to compete in the Australian Nationals. On a makeshift table the night before we make a couple of fixes and then get an early night for the day ahead. As soon as we walk

through the competition door the excitement takes hold. Our judging schedule is packed; our day filled with running from one end of the university to the other. After our last match we anxiously wait together for the closing ceremony. When we are awarded the Gracious Professionalism award, the most prestig-

ious of FIRST FLL awards, we are ecstatic. But nothing prepares us for when they announce the top 10 teams of the competition and our name is up there. We have been invited to the FIRST LEGO League internationals. Worlds, here we come!

-Charlie Ryan-Kane

Chairman's Award

Looking back at our first FRC team brings a wave of nostalgia. How far we have come since 2012! On the 5th year of team RoboRoos 4537 there is much to celebrate. This year we have reached many milestones, and everyday we become more accomplished and professional yet hold on to our beginnings. The RoboRoos have always stood out from the

rest and finally this year we have decided to, for the first time, seriously work on our submission for Chairman's Award and aim to win. The Chairman's Award is the most prestigious award in the FIRST competition. We have a dedicated group of students and mentors working on the entries due in early 2017. Good luck to the Chairman Team!

-Emily Mansfield



Captain's Report

The time of year has come again where we are given a challenge and have to build a robot in six weeks. This year, the Stronghold challenge is a lot different from what I was expecting. Storming a castle is definitely not capture-the-flag or jousting.

I cannot even begin to express how grateful I am for all the wonderful parents and mentors who give up their time in their busy lives to build a robot. With so many great parents and mentors, students have been able to work in smaller groups to build and prototype not only the

robot, but also field pieces, programming and design. Without their support, we would not be where we are today.

Communication in build season is always important, and that is why this year, with the fantastic filming skills of my assistant captain and friend Enzo Rugai, we have been filming a video blog to keep team members informed on what is happening in different sub teams while building the robot. So far, we have had glowing reviews, so we will keep trying to put a smile on your faces as we bring you updates on

the robot.

Finally, I and a few other students, alumni and mentors, have been working closely with the new South Australian team. Although I don't think they've quite worked out what they have gotten themselves into, I can firmly say we look forward to helping them grow as a team and making many new friends.

As captain, I wish everyone good luck in this upcoming build season, and wish to thank all our sponsors for helping us do what we love.
—Belinda Rutherford

Gratitude to Our Sponsors

The RoboRoos would like to sincerely thank the University of Adelaide for donating two Lego Mindstorms NXT units. These will be used extensively by our FLL team to build robots that will take part in the First Lego League competition in which they have excelled in the past few weeks. Thank you for your support!

The RoboRoos would like to also thank CQR Consulting for kindly donating laptops for both the FRC and FLL teams use. They will be much appreciated when being used to design and program robots, keep track of finance, write blogs and newsletters for media use, and much more. Thank you for your support!



THE UNIVERSITY
of ADELAIDE

'Q' and 'A' with FLL member Itay

What did you enjoy this season?

"I enjoyed programming the robot as well as getting to meet people who I didn't know and becoming friends with them."

What are you hoping future seasons will be like?

"I hope they are going to be very challenging and difficult so I can learn more."

How does it feel to have gotten into the internationals?

"It's great and I'm very excited because I've never gone to internationals in anything."





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.

Contact us at: roboroos@roboroos.org.au



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