

Mission: Engineers showcase ⚙️

For the attention of: **Drivetrain Engineer, Software Engineer, Manipulator Engineer, Electrical Engineer**

Mission: **Present your robot in progress**

Location: **Instagram (alternatively Twitter or email)**

Deadline: **Friday 18 January 2019**

Reports to: **Team Lead**

Date: Tuesday 8 January 2019

Attention, Engineers. Every engineering decision has great consequence. Last term you engineered the most promising robot drivetrain to triumph at Rover Ruckus. Now it's your time to share how you made it.

There's a common misconception that engineers are two dimensional, uncreative boffs. (How dare they!) While you may know your way around the instruction manual, you're also as creative as the Graphic Designer making your t-shirts. Your collective ingenuity is crucial for your robot performance on the field.

Together, as a team, you have the chance to showcase your stuff and show other teams what you're made of. In a three minute elevator pitch present how you arrived at your drivetrain design and functionality, including the bumps and 'Aha' moments along the way.

We know you're not finished yet. Reflect on your work in progress and celebrate how far you've come. Don't forget to make it engaging and informative. This is your spotlight.

Mission deployed. Good luck Engineers.

SHOWCASE PARAMETERS

Include all engineers

This mission is for your Drivetrain, Software, Electrical and Manipulator Engineers.

Video footage

Record your three minute presentation, horizontally, with clear shots and sound of the people/equipment you want to capture.

Be brief in three minutes

You only have three minutes to present. You won't be able to share every step. Capture the essence of your journey and pick a few key points that you really want to focus on.

Showcase your work

While your robot is the main star, use other material like notes, prototypes and sketches to demonstrate your work.

Give everyone a chance

Let everyone have a chance to share their thinking, no matter how big or small their role is.

Design-making process

Talk through the process you took to design your drive train.

Share your showcase

Option 1 If your team is on Instagram — publish the video with your Media Coordinator including the #FTCUKteams and general #morethanrobots hashtags.

Option 2 If your team is not allowed on Instagram — you can use your school Twitter using hashtag #FTCUKteams.

Option 3 If you have no access to options 1 or 2, email us a copy of the video at hello@firsttechchallengeuk.org. If your team mentor allows, we will feature your video on the @FTC_UK Instagram page on your behalf, otherwise we'll review it privately.

MISSION HACKS

Teamwork makes light work

Work together to present your drivetrain decision-making process.

Plan ahead

Note the key points you want to share and rehearse your presentation before recording.

Dream FIRST

Champion the *FIRST* values of discovery, innovation, impact, inclusion, teamwork, fun.

Be creative

Flaunt your team's personality and expertise.

Be honest

Reveal the ups and downs, it's all part of your journey.

Support each other

If some engineers prefer not to speak, find other inventive ways they can contribute to the presentation.

Featuring your film stars

Always check your team is happy to be filmed and remember your robot is the main star.

Check before posting

Get your Team Lead to check your footage before you share it.

If you're stuck

DM @FTC_UK and we'll respond sharpish!

PREFLIGHT CHECKLIST

- STEP 1** Tell your team about your mission and how they can support you.
- STEP 2** Plan what you want to say and the role each engineer will play.
- STEP 3** Practice your presentation.
- STEP 4** Record your presentation.
- STEP 5** If necessary, edit and format your video before publishing.
- STEP 6** Share your video on Instagram or Twitter (and email HQ).
- STEP 7** You're done! Great job team.