FIRST Tech Challenge Coaches, Mentors

November 2022

Team Management

Agenda

Saturday Morning - Introductions, What is *FIRST*?, Building Game, Robot Resources

Saturday Afternoon - Wiring, Programming Robots (software choices, tensorflow, FTC Sim, Programming help, real robots)

Sunday Morning - FTC Events, Judging, Engineering Portfolios,

Sunday Afternoon - *FIRST* Software, REV Hubs, Q&A, PowerPlay Game, How to find Help

Agenda

- REV Hardware Client
- *FIRST* Software
- Q&As
- PowerPlay Game
- How to find help?

REV Hardware Client https://docs.revrobotics.com/rev-hardware-client/

- Download software to your laptop
- Use the software to update the firmware and apps for the Control Hub and the Driver Hub
- Use a USB cable to plug in the device to be updated.

FIRST Software

- Dashboard https://www.firstinspires.org/

  Team Registration - Team, Coaches, and Team Members

  Storefront - Where to purchase FIRST discounted products

  Dean’s List Nominations

  Volunteering for Events

FIRST Software

- Dashboard https://www.firstinspires.org/
- FTC Scoring https://ftc-scoring.firstinspires.org/

  Practice Matches

  Submit scores from Remote Events

  Submit Engineering Portfolios and Control Award Nominations

  Models for Tensorflow

FIRST Software

- Dashboard https://www.firstinspires.org/
- FTC Scoring https://ftc-scoring.firstinspires.org/
- FTC Q & A https://ftc-qa.firstinspires.org/

  Official Q&A about everything from Robot parts to Game Rules

Chassis Testing

How to find help?

Try to look for the answer, but if you are having no luck after 10 minutes email Christine.

- internet search on keywords
- Game Q&A
- Section of the Game Manual
- Ask for help

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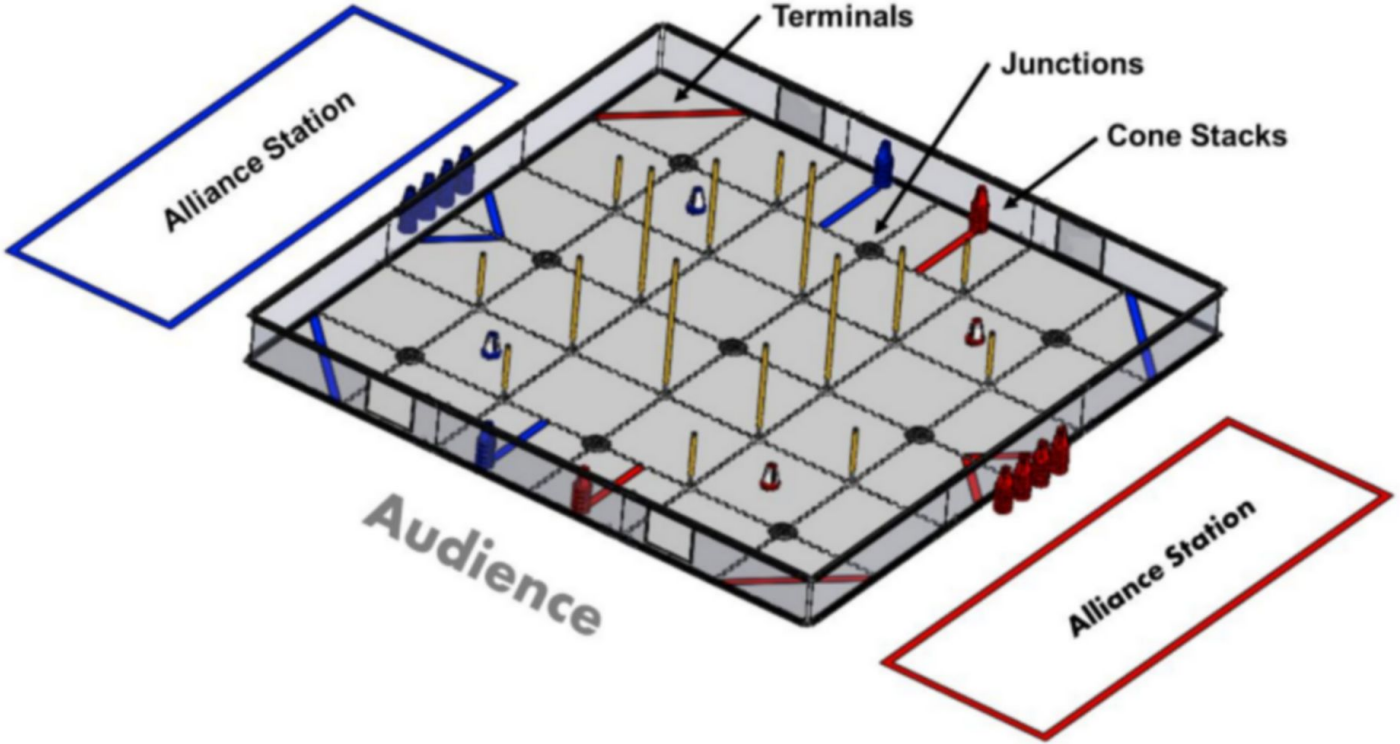
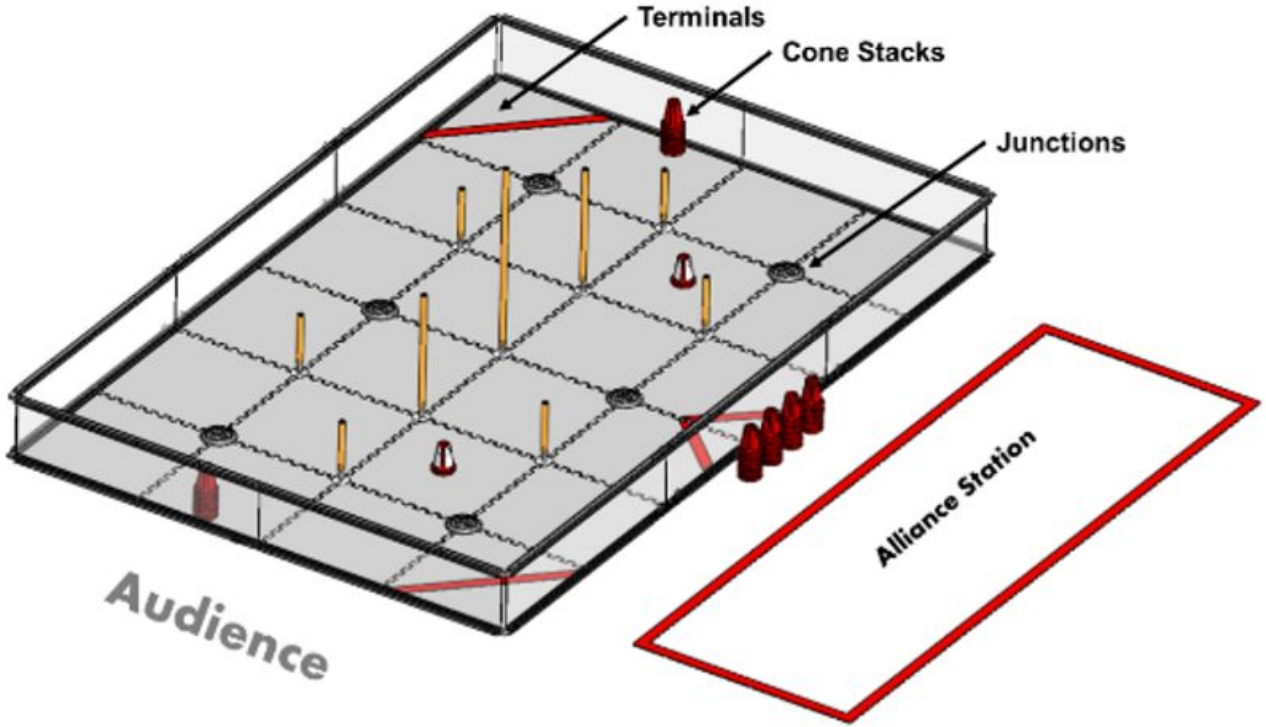
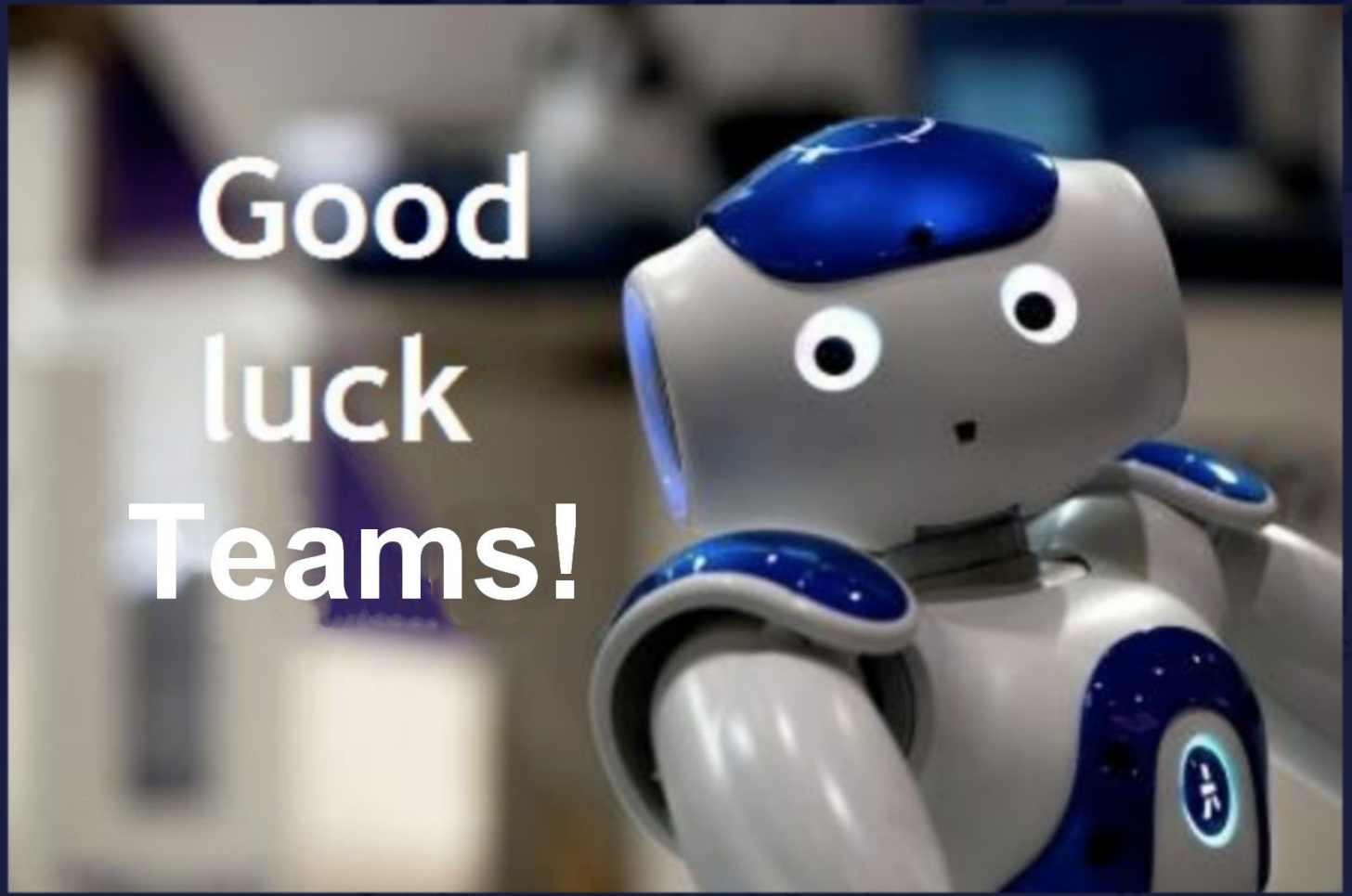
Questions

POWERPLAY Field



Remote Field Layout




Good
luck
Teams!