

# Lessons we learned and tips for you!

- **If at first you don't succeed, try, try again.** This is especially crucial in FTC, as you will encounter numerous code errors, hardware faults, and other hardships. It is important to solve these problems and continue to design and build.
- **Teamwork!** Never try to attempt something yourself! Always get the team's consent to make sure everyone agrees, then pursue the mission together.
- **Experiment!** To make something BIG or something you will be proud of, you need to step out of your comfort zone. If you have an idea, don't hesitate to tell your team. If someone else has an idea, think before making an opinion. No idea is a bad idea, and FTC is a perfect place to express creativity!

**Remember to express**

**GRACIOUS PROFESSIONALISM!**

m a t s b

first tech challenge 12089

**No**, that's not an acronym. In fact, "matsb" is pronounced "/dʒo:(ɪ)dʒ/", like "George".

We are matsb, a Seattleite blobfish family of four students and two mentors participating in the FIRST Tech Challenge.



*What is*

## FIRST Tech Challenge?

It's where team are challenged to design, build, program, and operate robots to compete in a head-to-head challenge in an alliance format. Participants are encouraged to promote strong competition while fostering positive attitudes and relationships between teams.



**FLL**

**VS**

**FTC**

- Block-based programming
- Lego-only robot parts
- Only team on the field
- Java coding
- Any parts you choose!
- Alliance with other teams

We highly recommend you to join FTC if you are in FLL already. FTC is more complex, but also much more rewarding than FLL!

## Our Robot, matsb

Key character traits:

- Relic Arm
- Mecanum wheels with chain drive
- Gyrometer
- Parallel claw arms
- Phone camera as color detector

