

You Will Solve the New Challenge



All around us, there are opportunities to play and be active — from open parks to cement courts, in our classrooms, and even when we're waiting in line. But more and more people are not active enough. How and where can we help people be more active? Playing makes being active more fun. You get creative when you want to play, and it's this creativity—your creativity—that can help motivate us to be more active.

Gracious Professionalism is part of the ethos of FIRST. It's a way of doing things that encourages high-quality work, emphasizes the value of others, and respects individuals and the community.

Coopertition produces innovation. At FIRST, Coopertition is displaying unqualified kindness and respect in the face of fierce competition. Coopertition is founded on the concept and a philosophy that teams can and should help and cooperate with each other even as they compete.

The US FIRST Core Values are the cornerstones of the FLL program. They are among the fundamental elements that distinguish FLL from other programs of its kind. By embracing the Core Values, participants learn that friendly competition and mutual gain are not separate goals, and that helping one another is the foundation of teamwork.

- **Discovery:** We explore new skills and ideas.
- **Innovation:** We use creativity and persistence to solve problems.
- **Impact:** We apply what we learn to improve our world.
- **Inclusion:** We respect each other and embrace our differences.
- **Teamwork:** We are stronger when we work together.
- **Fun:** We enjoy and celebrate what we do!

Four Parts:

1. Table Challenge
2. Research Report
3. Teamwork Interview
4. Technical Interview

Methodology

Educational Goals

For all team participants, we work to gain expertise in the following key areas:

- Understand team work and the benefit complementary skills.
- Learn how to keep excellent project records.
- Gain expertise in core project management skills and methods.
- Experience the hard work of funding your project through external support resources.
- How to focus on a successful solution to a challenge.

Attendance and Educational Goals: Students participating in the team challenges must be prepared to attend nearly all meetings and work outside of the meeting time to continue to learn and do research. This year these two programs will be treated as classes and assigned a credit value.

The Assumption: The challenges can be done. Someone has solved it. So can you...

The Method: Your work should be...

1. Simple
2. Reliable
3. Repeatable
4. Precise

The Process:

1. Define the task
2. Describe the task
3. Propose solutions
4. Test
5. Refine
6. Record
7. Evaluate
8. Repeat