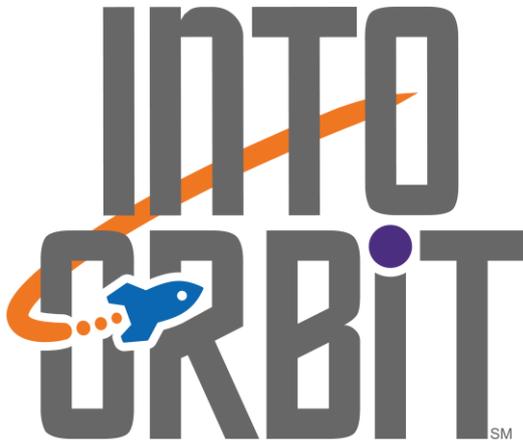


## You Will Solve the New Challenge



Join our mission into the 30th season of FIRST®! Prepare for blast off, break out of your earthly constraints and go INTO ORBIT<sup>SM</sup>. The 2018/2019 FIRST® LEGO® League season will transport your team into space, where you'll explore, challenge, and innovate in the vast expanse of space

The FLL 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.

- We are a team.
- We do the work to find solutions with guidance from our coaches and mentors.
- We know our coaches and mentors don't have all the answers; we learn together.
- We honor the spirit of friendly competition.
- What we discover is more important than what we win.
- We share our experiences with others.
- We display Gracious Professionalism and Coopertition in everything we do.
- We have FUN!

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