

CHALLENGE



Architects design and construct buildings. They combine science and art to make buildings and structures for their clients. Sometimes they make new buildings and sometimes they redesign old ones.

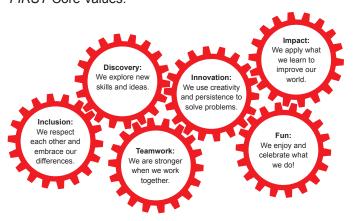


They work as part of a larger team, just like yours. **Structural, civil and environmental engineers** make sure a project suits its **site.** Construction workers like electricians, plumbers and carpenters, and **project managers** make sure the job stays on time and within budget. Every role is important to get the job done.

Our cities and towns face big issues, like transportation, accessibility and even natural disasters. How can we shape a better future for everyone? It will take teamwork and imagination. Are you ready to build a better tomorrow together?

Throughout your season, you'll be guided by the FIRST® Core Values

We express the FIRST® philosophies of Gracious Professionalism® and Coopertition® through our FIRST Core Values:



In the Robot Game, your team will:

- · Identify Missions to solve.
- Design, build and program a LEGO Robot to complete the Missions.
- Test and refine your program and design.

Your Robot will have to navigate, capture, transport, activate, or deliver objects. You and your Robot will only have 2½ minutes to complete as many Missions as possible. So, be creative!

In the Innovation Project, your team will:

- Identify a problem with a building or public space in your community.
- · Design a solution.
- Share your solution with others and then refine it.

At official events, your team will present your Project, including the problem, your solution, and how you shared it, in a 5-minute presentation.





FIRST® LEGO® League is the result of an exciting alliance between FIRST® and the LEGO® Group.



