



**EXPLORE**

**It's never too early to discover STEM.** FIRST® LEGO® Explore (formerly FIRST® LEGO® League Jr.) is designed to introduce STEM concepts to kids ages 6 to 10 while exciting them through a brand they know and love – LEGO®. Guided by adult coaches and FIRST – Core Values, students in teams build models using LEGO® Education WeDo 2.0 and create Show Me posters to present what they learned at a local Expo. The program focuses on building interest in science, technology, engineering, and math (STEM) through a real-world challenge each year – to be solved by research, critical thinking, and imagination. The Challenge for the 2020-2021 season is PLAY MAKERS.

### TEAM CHALLENGE AND WHAT IT OFFERS:

- Teams research the Challenge and illustrate their research and journey using a Show Me Poster highlighting what they studied, learned and information about the team.
- Teams design and build a moving Model made of LEGO® parts based on thier challenge research. Teams must use LEGO® Education WeDo 2.0 or WeDO to build and program.
- Students are introduced to the engineering design process and programming skills.
- Throughout their experience, teams operate under the FIRST Core Values, celebrating discovery, teamwork and gracious professionalism.

### HOW IT WORKS:

- Teams may have up to six children participate, ages 6 to 10 (grades 2-4).
- Teams can be formed in a classroom, homeschool, after-school program, or by an out-of-school club, neighborhood group or family.
- Adult coaches and mentors are needed to guide the team and can include parents, grandparents, teachers or community volunteers.
- Coaches register team nationally with FIRST® LEGO® League Explore. After registering a team, coaches receive the annual Challenge administrator's guide, team meeting guide and engineering workbooks for each team member.
- Teams then register to attend a FIRST® LEGO® League Explore Expo in their community, hosted by a local program delivery partner.



### 2020-2021 NORTH TEXAS FLL JUNIOR EXPO HOSTS:

Expos for the 2020-2021 FLL Explore season in North Texas will be announced in August 2020.



North Texas Program Delivery Partner for FIRST® LEGO® League Explore



In 2018-2019, 130,000+ children from 47 countries participated in FIRST® LEGO® League Explore.

**FOR MORE INFORMATION ON REGISTERING A TEAM AND SIGNING UP FOR A LOCAL EXPO VISIT [DFWTEC.ORG](http://DFWTEC.ORG)**