Each year, FIRST® LEGO® League Jr. presents a new and exciting Challenge to ignite the creativity of children age 6 to 10 and introduce them to the excitement of STEM.

In the 2019-20 BOOMTOWN BUILD™ Challenge, teams around the globe were asked to:

**EXPLORE**
Teams imagined and created a building that solves a problem and makes life easier, happier, or more connected for the people who use it.

**CREATE AND TEST**
Teams incorporated their Inspire Model -- which could be built as a crane or an elevator -- into their design. They also used LEGO® Education WeDo 2.0 to build and program at least one motorized part of their Team Model.

**SHARE**
Teams documented their journey in an Engineering Notebook and shared what they learned in a Show Me poster.
**WELCOME SPECTATORS!**

**FIRST®** is a robotics community that prepares young people for the future. The world’s leading youth-serving nonprofit advancing STEM education outcomes, **FIRST** designed mentor-guided research and robotics programs for kids from pre-kindergarten through high school. Boosted by a global support system of mentors, coaches, volunteers, alumni, and sponsors, teams conduct research, fundraise, design, and build robots of their creation. For 30 years, students from all walks of life have developed self-confidence in STEM, meaningful friendships, and valuable, real-world skills through **FIRST** that open pathways and help young people build a better future.

**FIRST® LEGO® League Jr.**

**FIRST® LEGO® League teams build robots using LEGO® MINDSTORMS® technology and develop an Innovation Project based on a real-world Challenge that changes annually.**

**Students will:**

- Create innovative solutions to challenges facing today’s scientists
- Strategize, design, build, program, and test an autonomous robot
- Apply real-world math and science concepts
- Develop career and life skills, including critical thinking, time management, collaboration, confidence, and communication
- Participate in official tournaments and local events
- Engage in team activities guided by **FIRST** Core Values

*At the heart of **FIRST** are its Core Values, which emphasize the contributions of others, friendly sportsmanship, teamwork, learning, and community involvement. These include: Gracious Professionalism® – Respect for others, being a good sport, and sharing what you learn. Coopertition® – Competing hard, but also helping the other teams.*

For information about **FIRST®** in your area: www.firstinspires.org/contactus

*Ages vary by country*