



Super LEGO Frogs #4721

2019-2020 *FIRST* LEGO League



What if you could build a better world? Where would you begin?

More than ever, we must come together to innovate and solve problems. In *FIRST*, you are part of a thriving community brimming with inspiration, creativity, and hope for a stronger, more sustainable future—one that's built better together. You have the power to help the cities, towns, and places you call home reach new heights. With the support of the *FIRST* community, this is your opportunity to lead our future forward—and up.

The Challenge has three parts:

- **Robot Game:** Build and program an autonomous LEGO EV3 robot.
- **Project:** Teams learn more about the science behind the Challenge theme and design a solution to solve a real-world problem.
- **Core Values:** The Core Values are part of what makes *FIRST* LEGO League so special, because kids compete like crazy but respect their teammates, coaches, and their “competitors” — and they have FUN!

Immaculate Conception School *FIRST* LEGO League

Students in grades 6-8 are eligible to sign up for our *FIRST* LEGO League program. FLL meets in the IC Library. Tuesday/Thursday, 2:30 - 4:30pm, September-December.

The students in this program will have the opportunity to:

- Design, build, test and program robots using LEGO MINDSTORMS® technology
- Apply real-world math and science concepts
- Research challenges facing today's scientists

IMPORTANT DATES:

- November 15, 2019 - Practice Tournament (Hudson, IA)
- December 7, 2019 - Regional Qualifier (Cedar Falls, IA)
- January 18/19, 2020 – State Championship (Ames, IA)

What is *FIRST* LEGO League?

When students are engaged in hands-on STEM experiences, they build confidence, grow their knowledge and develop habits of learning. Coaches encourage students to try, fail, and try again, while connecting STEM concepts to real-world examples.

FIRST® LEGO® League is the most accessible, guided, global robotics competition, helping students and teachers to build a better future together. The program is built around theme-based Challenges to engage children in research, problem solving, coding, and engineering. The foundation of the program is the *FIRST*® Core Values, which emphasize teamwork, discovery, and innovation. Students emerge more confident, excited, and equipped with the skills they need in a changing workforce.

Impact

FIRST LEGO League's positive impact on participants is gratifying and well documented. Over 87% are more interested in doing well in school, and 88% have more interest in attending college.

[2016 *FIRST* LEGO League Impact Infographic](#)

***FIRST* LEGO League teams get to:**

- Research challenges facing today's scientists
- Design, build, test and program robots using LEGO® MINDSTORMS® technology
- Apply real-world math and science concepts
- Learn critical thinking, team-building, and presentation skills
- Participate in tournaments and celebrations
- Understand and practice Gracious Professionalism®