



Empowering You To Be

EmBe strives each day to be a place of empowerment, where women excel, where children and youth thrive, where families succeed and where the community is enriched by our work.

## Our Values

Developing strong, resilient youth is at the heart of EmBe’s mission to enrich the lives of women and families. FIRST LEGO League introduces STEM learning and teamwork, while inspiring interest in STEM careers, school engagement increases and gain in work-life skills.



### EmBe FIRST LEGO League Coordinator

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EmBe.org/first-lego-league-jr/

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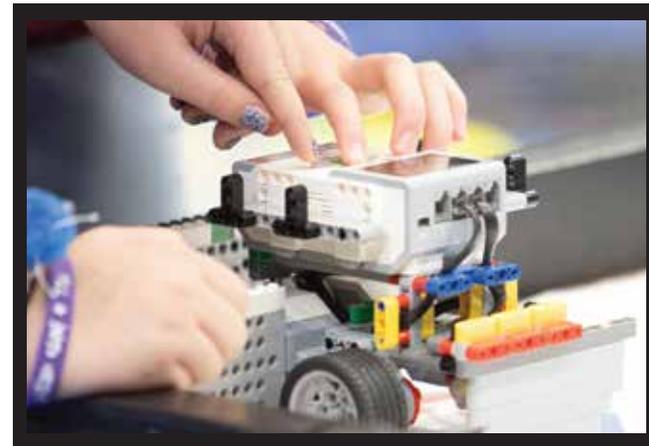
“Thank you! If he is an engineer, it will be due to his start with mini robotics at EmBe”

“My child joined FIRST® LEGO® League this year and LOVES IT! He said the Qualifier was the best day of his life.”



Visit [EmBe.org/first-lego-league-jr/](http://EmBe.org/first-lego-league-jr/) or [EmBe.org/first-lego-league/](http://EmBe.org/first-lego-league/) for local information.

Visit [firstinpires.org](http://firstinpires.org) for additional program information.



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# Why *FIRST* LEGO League?



*FIRST* LEGO League uses robots to build kids. Teams of kids from all across South Dakota – North Sioux City to Rapid City and many cities and small towns in between – work together to experience the excitement and fun of *FIRST* LEGO League challenges, Robot Games and projects. Team members use their creativity to design innovative solution to real–world problems. The results? Kids who are prepared for real life, learning about problem solving, teamwork, innovative and creative thinking, perseverance and leadership.

Visit [firstinspires.org/about/impact](http://firstinspires.org/about/impact) to learn more about *FIRST* programs and how they are making an impact.



## It's Never Too Early to Discover STEM.

*FIRST* LEGO League Jr. is a fun, creative, skill-building experience for kids that helps them learn the value of teamwork, respect for others, and making new discoveries. As a participant (ages 6–10), your child will:

- Design and build a challenge-related model using LEGO components.
- Create a Show Me Poster and practice presentation skills.
- Explore challenges facing today's scientists.
- Discover real–world math and science.
- Begin developing teamwork skills.
- Choose to participate in expos and showcases.
- Engage in team activities guided by *FIRST* LEGO League Jr. Core Values.



## Innovative Thinking and Teamwork Build Tomorrow's Innovators.

*FIRST* LEGO League is a fun, creative, skill-building experience for kids that helps them learn the value of teamwork, respect for others, and discovering their own strengths. As a participant (ages 9–14), your child will:

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



# EmBe

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## What happens at a competition?

An *FIRST*<sup>®</sup> *LEGO*<sup>®</sup> League competition is a high energy, exciting event. Teams will have three robot runs in a sports area like atmosphere. During a 2.5 minute run, they will have their robot attempt as many missions as possible. They will also have three judged events. Presenting their research and innovative solution to project judges, explain their robot design to robot design judges, and be judged on their team work by core values judges.



## Approximate Cost for a First Year Team

- EV3 Robot Set (*reuseable each year, purchased through LEGO education*) \$420
- National Team Registration and Challenge set (*Paid to FIRST*) \$300
- Regional Tournament Registration (*Paid to EmBe*) \$65
- State Championship Registration (*Paid to EmBe*) \$150 - not all teams advance to the State Championship.

## How do I find/start a team?

EmBe does not create the teams, you do. Teams can be part of school groups, 4-H, community groups, neighborhood groups, church groups, or just a group of friends who want to experience the fun and excitement of *FIRST* LEGO League. If you are looking for a team, you can attend one of our information sessions and find like minded people.



## What does the *FIRST* LEGO League season look like?

**May - September**, teams form, register and order their materials (robot and Challenge Set from *FIRST*).

**August**, The Challenge is released and teams begin to prepare for the qualifying competitions.

**October**, Registration for Regional Qualifiers opens.

**December**, Regional Qualifiers

**Late January - February**, State Championships

Teams should check the *FIRST* LEGO League website [EmBe.org/first-lego-league/](http://EmBe.org/first-lego-league/) or [EmBe.org/first-lego-league-jr/](http://EmBe.org/first-lego-league-jr/) for information and advice on having a successful season.