

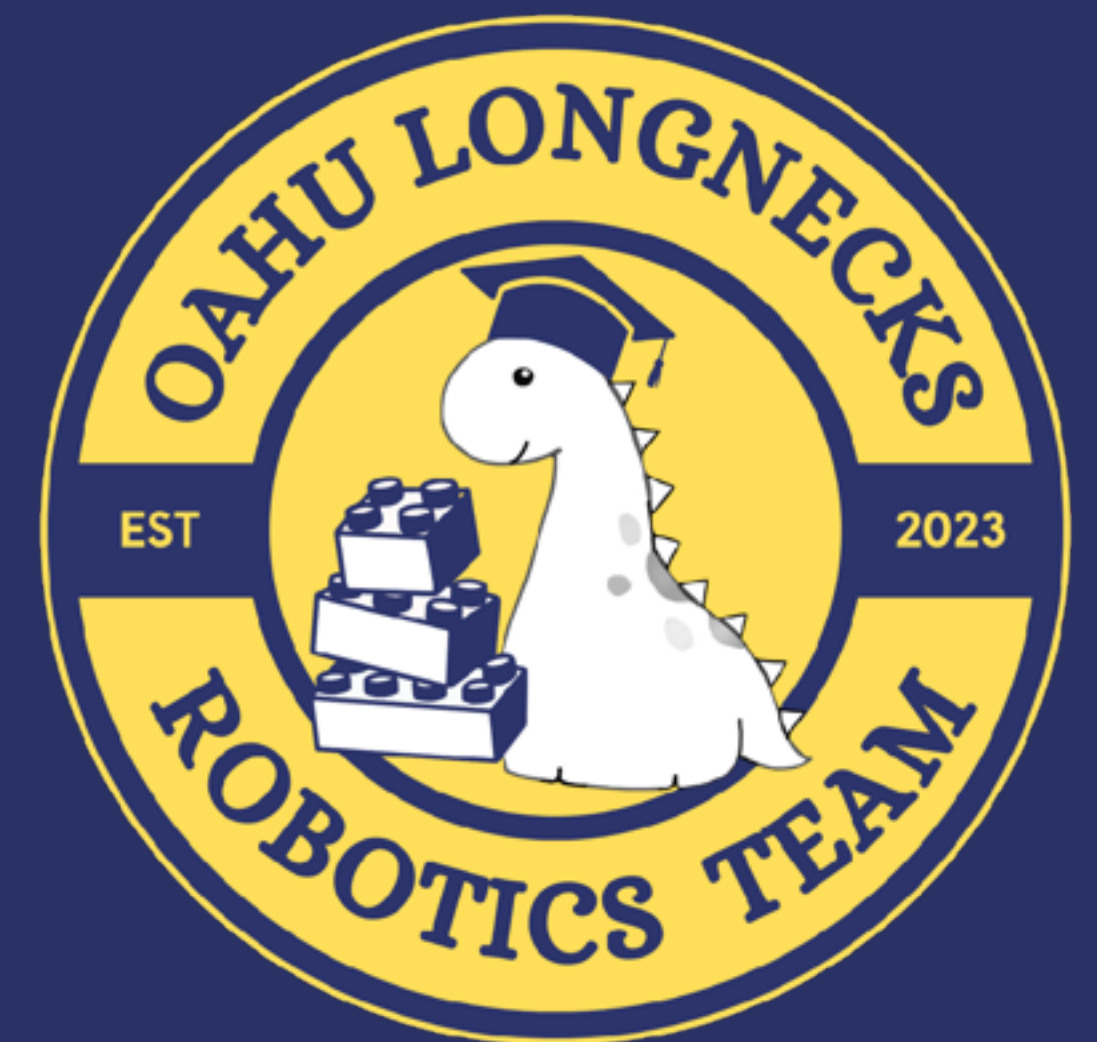
INFO DECK | SEASON 4 | 2026-2027

OAHU LONGNECKS ROBOTICS

ENGINEERING

CODING

COMMUNITY



ABOUT | PROGRAM DELIVERY

Oahu Longnecks Robotics is a 501(c)(3) non-profit that delivers the FIRST Lego League robotics competition program to young homeschoolers ages 4-14.

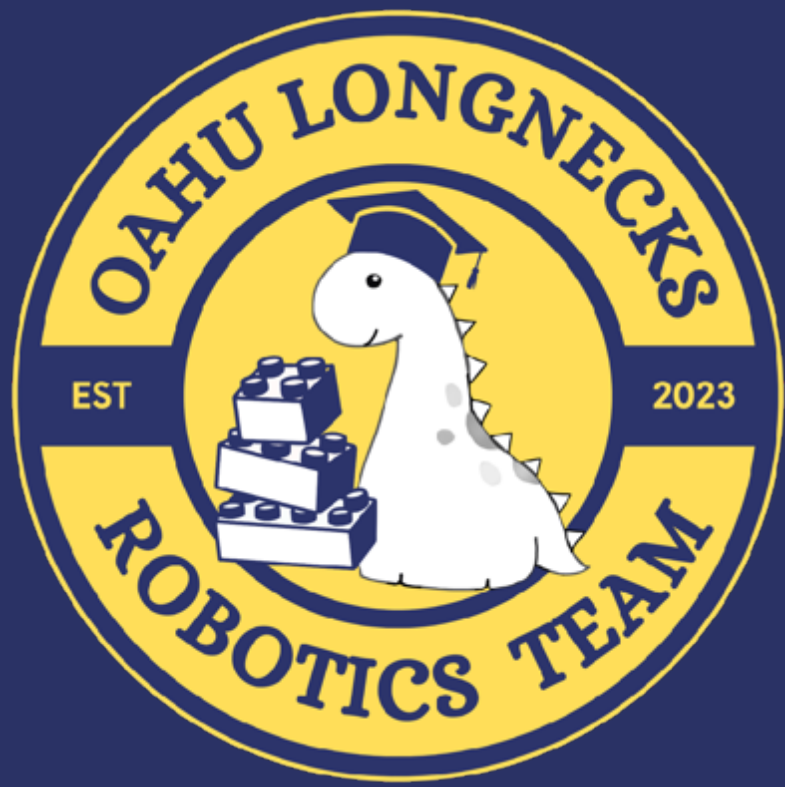
Equipment used:
LEGO Spike Prime & Essentials kits
and bulk LEGO.



MISSION STATEMENT



Expose young homeschoolers to
STEAM through Robotics within
a fun, collaborative community
where *everyone* can thrive.



COMPETITION SEASON

SCHEDULE & EXPECTATIONS (COMP SEASON)

MAY

Season registration opens

AUGUST

Season Launch

NOVEMBER & FEBRUARY

Local and regional festivals

APRIL

FIRST Championship

Competition season starts
August '26 at Tradewinds in Kaimuki

Practices are Thursdays 1:00 - 3:00
Attendance is required

Field Trips scheduled when possible
throughout the season (not required)

Community Service will also be
scheduled TBD (not required)

Our big season event will be the
Hawaii First Robotics State
Championship & Expo Feb 2027

CONDUCT:

Everyone will demonstrate the FIRST Core Values, principles and team rules at all times. Parents and coaches, too!

FIELD TRIPS:

We will coordinate site visits to professional facilities in the STEAM industry. Most will be scheduled several weeks in advance (not required).

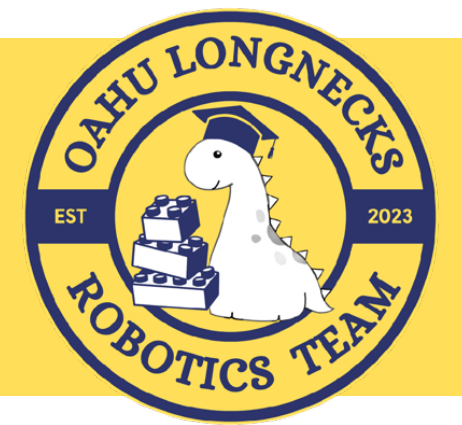
DEMOS:

Students will showcase their work in front of various community organizations to practice for the next season.

PRACTICES:

Let coach know ahead of time if you can't make practice, always be **ON TIME**, and always be **PREPARED**.

COSTS | PER CHILD



Costs below are paid to Longnecks Robotics

- A 50% deposit is due on **Wed, 8/19**
- Balance will due on **Fri, 10/30**
- Invoices sent via Quickbooks once registration is processed

Expense Covers Full Season	EXPLORE Ages 5-9	CHALLENGE Ages 9-14
Member Fees	\$50.00	\$50.00
<i>FIRST</i> Registration	\$28.00	\$70.00
Tourney Registration	\$12.00	\$25.00
Supplies & Materials	\$30.00	\$35.00
Operation Costs	\$165.00	\$165.00
COST PER CHILD	\$285.00	\$345.00



SPIKE Essential
\$334.95



SPIKE Prime
\$399.95

Costs for *recommended* equipment (*NOT* paid to Longnecks Robotics)

- Purchase at least one kit per household
- Sunset kits no longer sold by LEGO
- Buy used FB marketplace, eBay, Mercari, etc.
- Explore: *SPIKE Essential* \$334.95
- Challenge: *SPIKE Prime* \$399.95

IS THIS PROGRAM FOR YOU?



FAMILIES

New Families should join Q&A Zoom **Fri, 7/24 @ 2:00 pm**

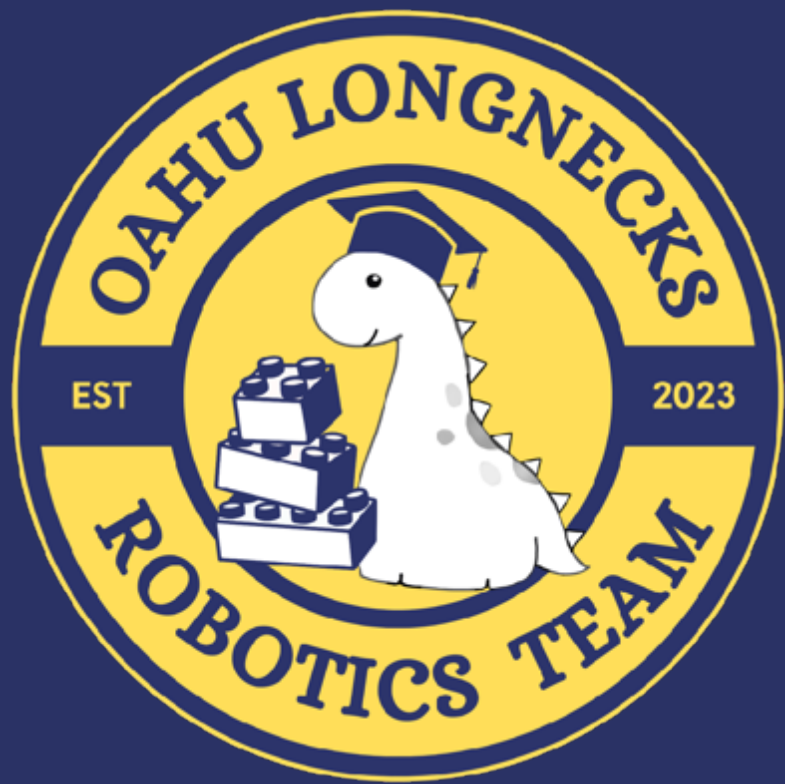
[Click here for Zoom Link](#) | Password: BIOGLOW

Invoices for Season Fees will be emailed on **Mon, 8/17**.

Deadline to pay 50% deposit on Season Fees: **Wed, 8/19**.

SPONSORS

We are actively accepting partnering sponsors! Companies that wish to invest in local STEM education, please request one via email at info@longnecksrobotics.com



ABOUT LONGNECKS

GUIDING PRINCIPLES

Our Principles and Core Values align
with those of *FIRST*:



Gracious Professionalism®

Gracious Professionalism is part of the ethos of *FIRST*. It's a way of doing things that encourages high-quality work, emphasizes the value of others, and respects individuals and the community.

Through Gracious Professionalism, fierce competition and mutual gain coexist. Participants compete intensely while treating each other with respect and empathy. There is no trash talking, nor disingenuous platitudes. Knowledge, competition, and empathy are comfortably blended.

Coopertition®

Coopertition fosters innovation by promoting unqualified kindness and respect in the face of intense competition. At *FIRST*, Coopertition means that teams help and cooperate with each other, even as they compete. It's about learning from teammates, teaching others, collaborating with mentors, managing and being managed. Coopertition embodies the spirit of competing while assisting and enabling others whenever possible.

CORE VALUES



Discovery



Innovation



Impact



Inclusion

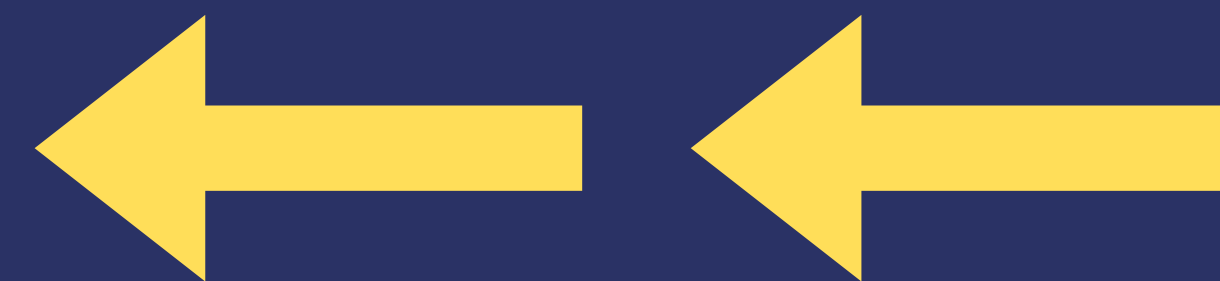


Teamwork



Fun

The FIRST® Core Values emphasize friendly sportsmanship, respect for the contributions of others, teamwork, learning, and community involvement and are part of our commitment to fostering, cultivating, and preserving a culture of equity, diversity, and inclusion. The FIRST Community expresses the FIRST philosophies of Gracious Professionalism® and Coopertition® through our Core Values.



ABOUT | COACH SERENA



- Navy family, JBPHH
- Arrived in June '23
- Homeschool Family
(Ark Academy Longnecks)
- Nolan, 10 yo son
- Logan, 7 yo daughter
- 5th season of FLL
- 4th year coaching

FOUNDER & CHAIRMAN



BOARD OF DIRECTORS



Erika Gormon
Vice Chair & Secretary



Alex Legg
Treasurer



Ashli Merchant
Advisory Committee Chair



Veronica Milotta
Board Member, Coach



Leah McClure
Board Member, Coach

ABOUT | FLL SEASON 1



- 1** FLL Discover team
- 2** FLL Explore teams
- 4** Coaches
- 8** Homeschool families
- 18** Little Engineers



In our first season, we hit the ground running and registered three teams for *FIRST* Lego League (FLL). Ages for these teams range from **4-12 years old**.

ABOUT | FLL MOST RESENT SEASON



- 1** FLL Discover team
- 4** FLL Explore teams
- 2** FLL Challenge team
- 6** Coaches
- 26** Homeschool families
- 43** Little Engineers



Each season had incredible growth! We moved from a home-based team to a larger facility in Ewa Beach, AMVETS West O'ahu

ABOUT | **DISCOVER** TEAM AGES 4 - 6

Discover children are introduced to the fundamentals of STEM while working together to solve fun challenges and building models using LEGO® DUPLO® bricks.

This season, Discover division will be TBD. If set up, it will be reserved for younger siblings of our Explore/Challenge members, which creates a great family environment. TBD!



ABOUT | **EXPLORE** TEAM AGES 5-9



Our *FIRST* regional Program Delivery Partner is Hawaii First Robotics. HFR hosts all tournaments and expositions for the State of Hawaii.

AWARDS:

All Explore teams receive medals from the February Expo in various categories.

One Explore team from the State of Hawai'i will win a lottery bid for World Championship at Houston, TX in April 2027.

Last season, our WINDWARD AWESOMENECKS won the bid and represented Hawai'i*



Tryouts required for competition team this season.

ABOUT | CHALLENGE TEAM AGES 9-14



Last season we registered our second ever CHALLENGE team!

Once students are ready to move into a competitive setting, they join Challenge and apply their STEM skills combined with critical thinking to work with a team, build a robot, and compete in an exciting, mission-based robotics game.



The time commitment for competitive Challenge members will be 3-4 hrs per week including our in-person 2 hr practice, a virtual practice via zoom, and independent or group research.

ABOUT | TRYOUTS

Tryouts required for competition team this season.

Tryouts will:

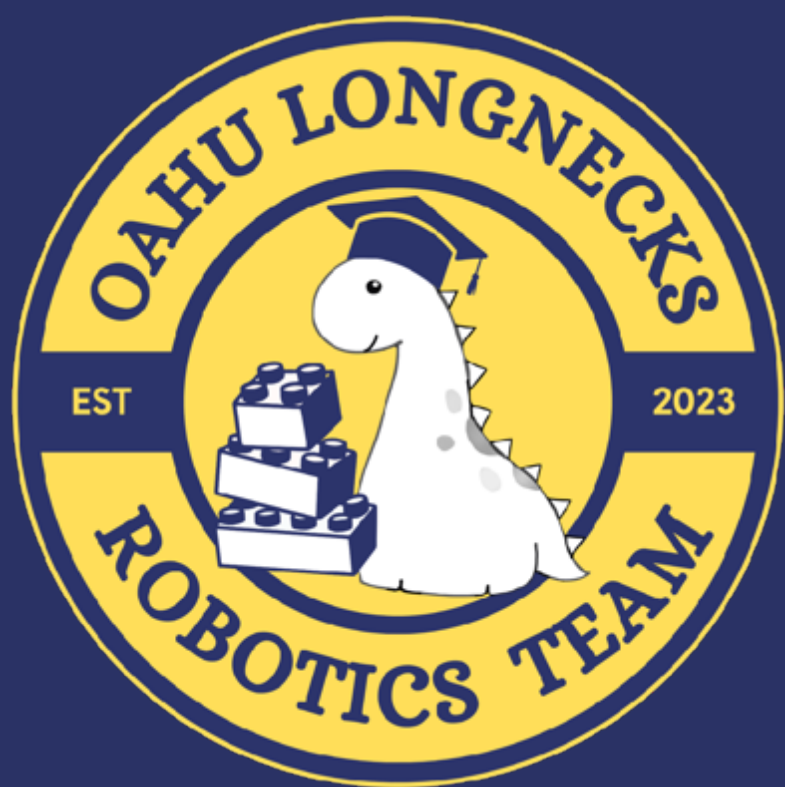
- Ensure fair and thoughtful team placements
- Match students with roles that fit their skills and readiness
- Support individual growth and strong team dynamics



*Despite it being their rookie year, both seasons our Challenge teams scored well at regionals and **won bids to the HI State Championships!***

FIELD TRIPS & COMMUNITY SERVICE



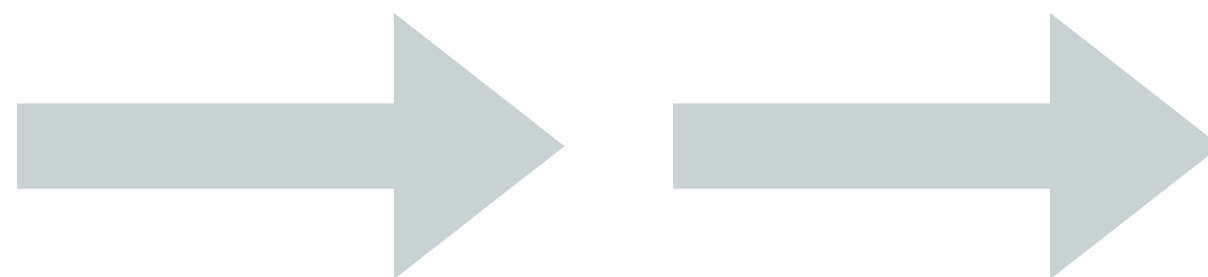


ABOUT FIRST LEGO LEAGUE

WHAT IS “*FIRST*”?

FOR INSPIRATION & RECOGNITION OF SCIENCE & TECHNOLOGY

FIRST is a global organization that delivers a robotics “competition” season to students across three programs based on age or grade level.



FIRST is More Than Robots®

Founded in 1989 by inventor Dean Kamen, *FIRST®* (For Inspiration and Recognition of Science and Technology) is a global nonprofit (501(c)(3)) organization that prepares young people for the future through a suite of inclusive, team-based robotics programs for ages 4-18 (PreK-12). Their programs are suitable for schools or structured afterschool activities and receive support from a vast network of volunteers, educators, and sponsor/donors, including over 200 Fortune 500 companies.

Because their programs are *More Than Robots®*, *FIRST* participants are guided by a signature set of Core Values to conduct research, fundraise, design, build, and showcase their achievements. Their thrilling, sports-like challenges build self-confidence and collaborative problem-solving skills and have a proven and lasting impact on STEM learning and interest. Participants and alumni gain access to education and career discovery opportunities, connections to exclusive scholarships and employers, and a place in the *FIRST* community for life.

***FIRST* PROGRAMS**



Ages 4-16 | Grades PreK-8

Students engage in hands-on STEM experiences, building habits of learning, confidence, and teamwork skills along the way.



Ages 12-18 | Grades 7-12

Teams design, build, and program robots, develop strategy, and engage in thrilling, head-to-head competition.



Ages 14-18 | Grades 9-12

Teams compete with 125-pound robots, combining the excitement of sport with the rigors of science and technology.

Children can grow with *FIRST* from PreK thru High School. Currently, **Longnecks** serves only *FIRST* Lego League, Ages 4 - 12.

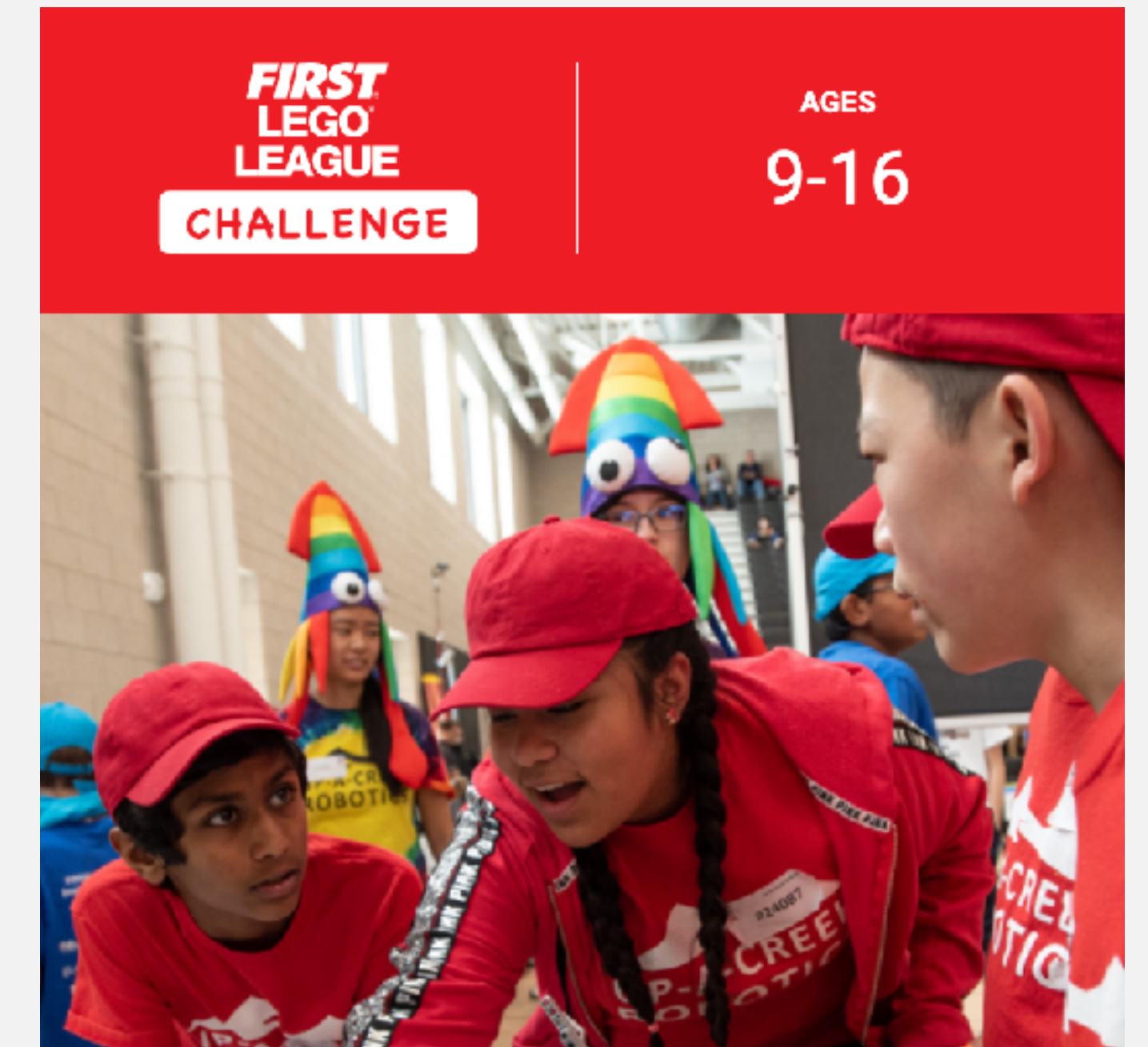
FIRST LEGO LEAGUE | DIVISIONS



This playful introductory STEM program ignites young students' natural curiosity and builds their habits of learning with hands-on activities in the classroom and at home using LEGO® DUPLO® bricks.



In Explore, teams of students ages 6-10 focus on the fundamentals of engineering as they explore real-world problems, learn to design, and code, and create unique solutions made with LEGO bricks and powered by LEGO® Education SPIKE Essential.



Friendly competition is at the heart of Challenge, as teams of students ages 9-16* engage in research, problem-solving, coding, and engineering - building and programming a LEGO robot that navigates the missions of a robot game.

CONTACT INFO

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