

## HOPE ACADEMY ROBOTICS PROGRAMS 2019-2020

### Introduction to Coding & Robotics Learning Labs

Meets twice weekly 7:45AM - 9:45AM. *Commitment to the whole quarter is required with new labs start each quarter.* Grades: 1st-7th

***You absolutely don't need to be a developer, engineer, or coding genius to mentor 1st through 7th Grade students!*** Learn alongside these amazing students as we work together to develop our critical thinking and creative problem solving skills as we become tech wise students prepared for the future of work and flourishing.

### FIRST®LEGO®LEAGUE JR. Mentor Coach

Meets twice weekly 7:45AM - 9:45AM. And includes 1 Saturday practice and 1 Sat. or Sun. ½ day competition. *Commitment to an entire season (fall/winter) is required.* Grades: 1st-3rd

FIRST®LEGO®LEAGUE JR (JFLL) “captures young curiosity by exploring real-world scientific challenges, learning teamwork, and working with motorized LEGO® elements.” ***NO EXPERIENCE NECESSARY! Training provided.*** You will partner with a team manager and another mentor coach to mentor six 1st through 3rd grade students.

### FIRST®LEGO®LEAGUE Mentor Coach

Meets twice weekly 7:45AM - 9:45AM. And includes 1-2 Saturday practices and 1-2 Sat. or Sun. competitions. *Commitment to an entire season (fall/winter) is required.* Grades: 4th-8th

FIRST®LEGO®LEAGUE (FLL) works with “elementary and middle school-aged students research a real-world engineering challenge, develop a solution, and compete with LEGO-based robots of their own design. ***NO EXPERIENCE NECESSARY! Training provided.*** You will partner with a team manager and another mentor coach to mentor ten 4th through 8th grade students who have already completed our Introduction Learning Labs and/or are already a Hope Academy FLL team members.

### Technovation Challenge - Mentor

Meets twice weekly 7:45AM - 9:45AM. And includes 1-2 Saturday practices and 1 Sat. competition. *Commitment to an entire season (winter/spring) is required.* Grades: 6th-12<sup>th</sup>

Technovation invites girls around the world to find a problem in their community and create a mobile app to solve it. Along the way, girls learn how to identify a good problem, brainstorm, ideate, research, market an app and launch a business. ***Female mentors HIGHLY encouraged! NO EXPERIENCE NECESSARY! Training provided.*** You will partner with a team manager and another mentor to mentor five students in either the Jr. (10-14 year old) or Sr. (15-18 year old) divisions.

### Open Lab Assistant

Meets weekly 7:45AM - 9:45AM every Friday while school is in session. *Commitment to the whole quarter is required.*

Fridays throughout the school year the lab is open to our competitive teams and “season students” who want to work on team and/or independent projects. Ideal candidates are available to assist the program director as needed and are able to commit to a quarter. ***NO EXPERIENCE NECESSARY!***