



# Monticello Academy Robotics Club (2020-2021)

## Introduction

Begin a fun and educational journey that will teach you amazing concepts and skills in robotics. Each of the principles and skills taught are designed to help you develop a passion and strong interest in STEM subjects. The Robotics Club will introduce students to key concepts that involve researching, programming, problem solving, engineering, and creativity, developing student interest in STEM goals and objectives. Students who participate in this club will have the opportunity to develop important lifelong skills and critical thinking while having a great deal of fun! Students will in teams, build models using Lego Education WeDo 2.0 and create a show posters to present what they learned at a season-ending Expo.

## Junior FIRST LEGO League (Grades 2-3)

Students work together with their team coach to create a robotic LEGO model with moving parts. Working with their peers, students explore science and engineering concepts through research, teamwork, construction, and imagination. Space is limited, please submit your application as soon as possible. Priority registration is given to third and second grade students. This year's theme is FIRST RISE, powered by Star Wars for Change and the topic is Boomtown Build.



### Club Participants will have an opportunity to:

- 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
- Develop teamwork skills
- Participate in expos and showcases
- Engage in team activities

## Coach

Ms. Ling Lam

## Dates, times, and location:

Junior FIRST LEGO League Explore: Once a week Online (Hybrid/in-person if situation allows)

October – March or April, depends on the Expo (Please make sure you can commit the entire season):

Team 1:	Wednesdays	Mac Lab/Makerspace	2 <sup>nd</sup> Grade	3:00 – 4:30PM
			3 <sup>rd</sup> Grade	3:30 – 4:30PM

\*\*\* Dates and Times above are tentative and subject to change before the start of the season. \*\*\*

## Fee and Costs

The Jr. FLL program tuition is a one-time **non-refundable fee of \$175 for the year**. This fee includes the cost of all materials, tools, and facilities for team members. Please note that this does not include travel and competition costs if any apply.

## Competition and Additional Club Meetings

Jr. FLL is a non-competitive event. Students will attend Expos to showcase their work. Expos are typically held on weekends. The coach will provide the Expos schedule.