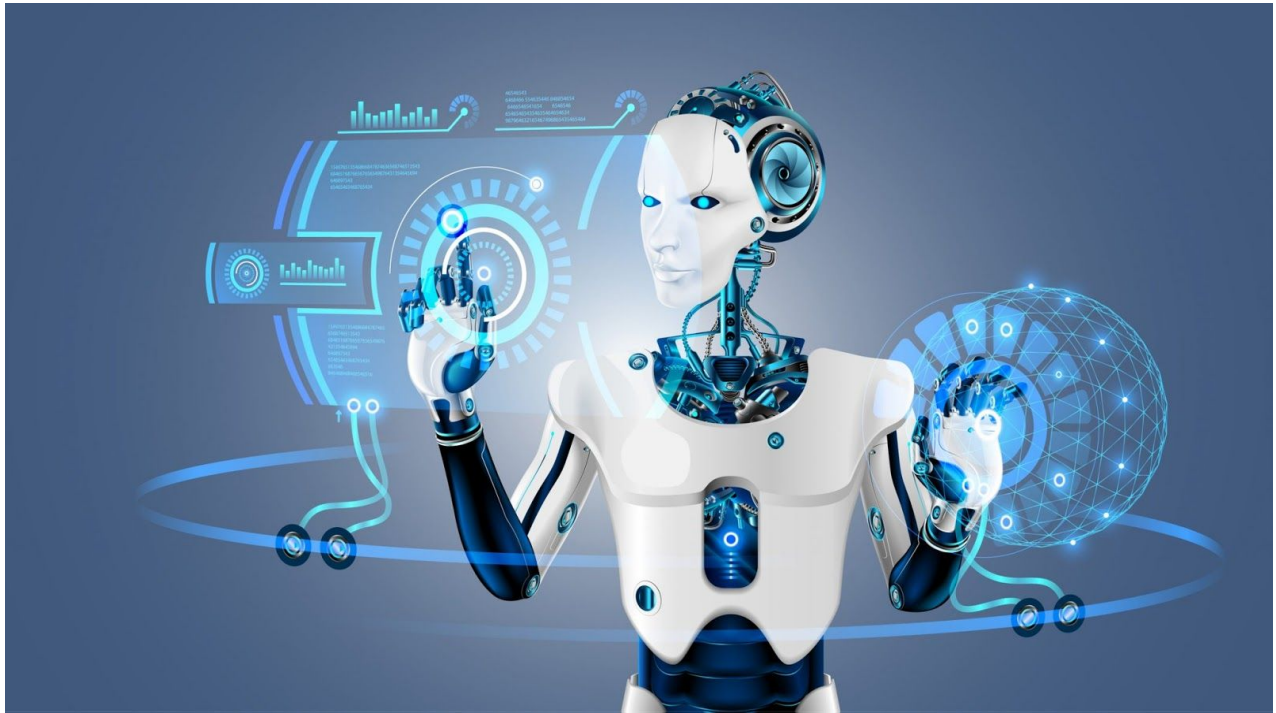
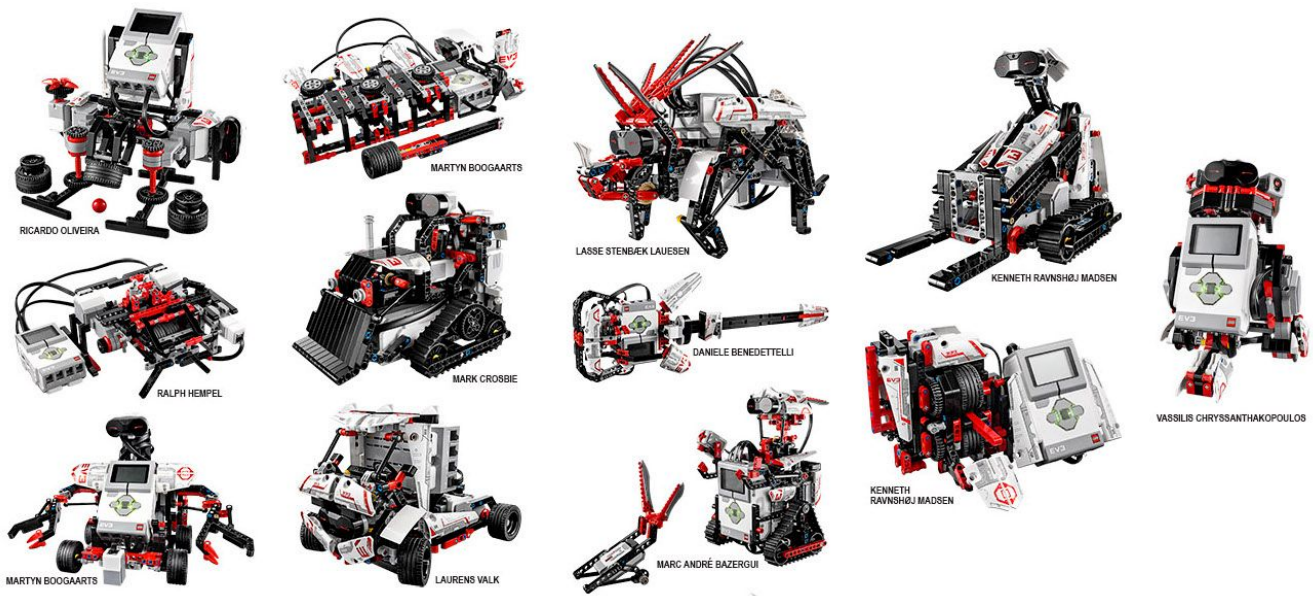


LEGO Robotics and Coding Summer Camp



When kids are engaged in hands-on STEM experiences, they build confidence, grow their knowledge and develop habits of learning. Are you interested in getting your kids into robotics world, even robotics competitions?

Powerful LEGO MINDSTORMS® EV3 gives the kids the power to create and command their own robotic LEGO creatures, vehicles, machines and inventions! By combining LEGO® elements with a programmable brick, motors and sensors, you can make your creations walk, talk, grab, think, shoot and do almost anything you can imagine!





Instructor: **Coach Steven**

- ECE PhD
- over 4 years of successful robotics competition coaching and teaching experience
- mentored over 10 local First LEGO League (FLL) teams over the years
- served as technical judges in different First competitions
- served as referee at World Robotics Olympiad (WRO) US nationals
- passion of educating kids through playing!

He started and coached FLL team **Cheez Puffer Fish** from 2016. In the past few years, Team Cheez Puffer Fish have won

- *FLL qualifier Champions in the last 2 consecutive seasons (2018, 2019)*
- *FLL qualifier Robot Performance Awards in the last 3 consecutive seasons (2017, 2018, 2019)*
- *2017 FLL qualifier Robot Design Award*
- *2018 FLL Silicon Valley Championship Robot Performance Award (1st Place)*
- *2018 FLL Silicon Valley Championship Kid's Choice Coolest Robot Award*
- *2019 FLL Silicon Valley Championship Judge's Award for Coaching and mentoring*
- *2019 FLL Silicon Valley Championship Kid's Choice Coolest Project Award*

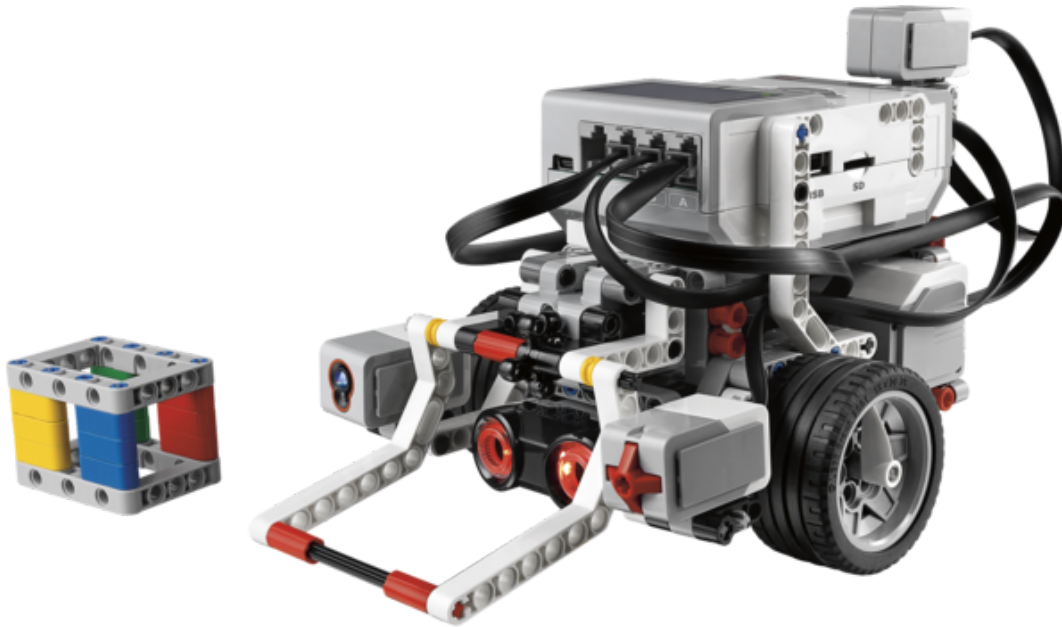


Is your child interested in FIRST Lego League?

Our camp is a good starting point for preparation for the new 2020-2021 FLL season starting in August 2020. The camp prepares the prospective FLL students for success by providing them with a solid foundation in robotics, research, and teamwork (three core judging categories of FLL).

By meeting and working with like-minded fellow campers and instructors, the campers also could find their potential teammates to start a team.

Our camp graduates are invited to meet in July or August where we plan for the coming 2020-2021 FLL season and form teams. For the competing teams, Coach Steven will provide coaching or supporting throughout the season upon request.



Level 1: Lego Mechanics and Robotics with LEGO MINDSTORMS® EV3

Grade 3-8 Class size: 12 students

5 days one week (9:00am - 4:00pm)

Price: \$499 per week

This exciting, all hands-on camp is focused on introducing the kids the basics of LEGO Robotics and mechanics, inspiring their interests in engineering, mechanics, and programming.

The campers will be provided with the LEGO Technic parts, Mindstorms EV3 sets and computers.

From this camp, the kids will learn

- Mechanics, engineering and principles of physics through LEGO Technic building
- Understand, assemble, program, and control their first LEGO robot
- Explore LEGO Mindstorms EV3 graphic programming
- Develop design thinking, improve independent problem solving ability
- Gain confidence, patience, communication, and teamwork skills
- Most important of all - have FUN!

All Skill Levels:

No LEGO robotics experience necessary!

* Extended care (4:00 - 6:00 pm) available \$100 per week by Ruyee Chinese School



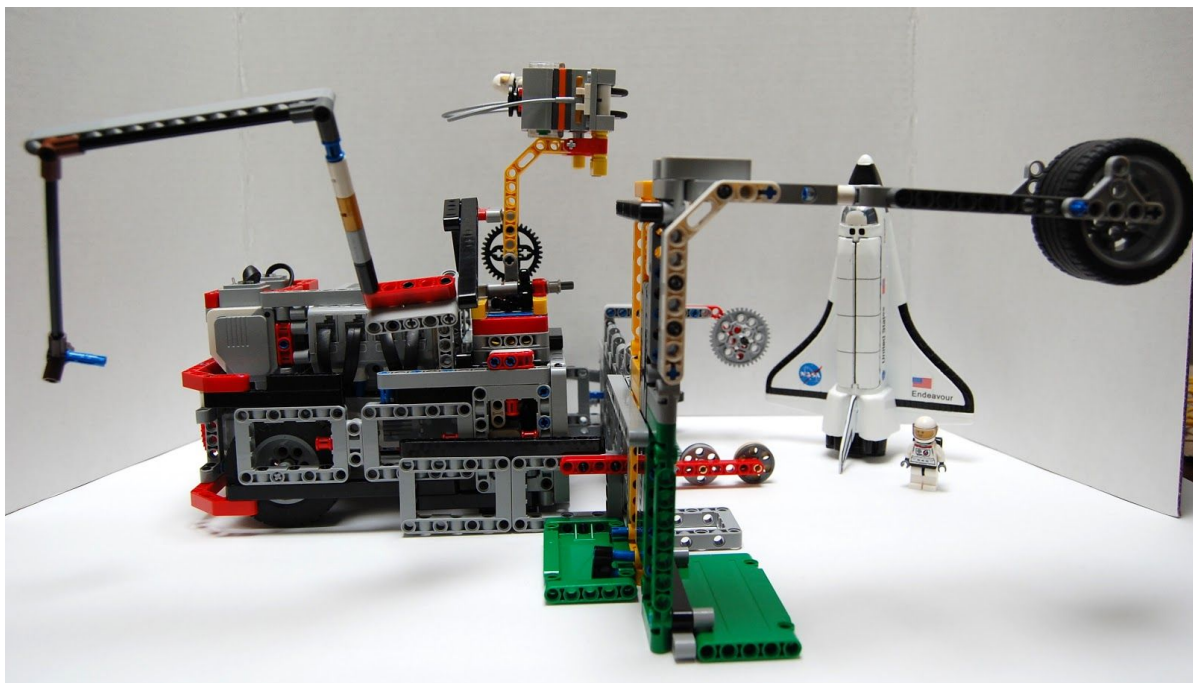
Level 2: Advanced Robotics and FLL Competition with LEGO MINDSTORMS® EV3

Grade 4-8 Class size: 12 students

5 days one week (9:00am - 4:00pm)

Price: \$549 per week

This engaging, all hands-on camp is focused on providing students a solid foundation in EV3 programming, the practice of Engineering Design Process, and the first hand experience of the First LEGO League competition through the latest theme - City Shaper.



The campers will be provided with the LEGO Technic parts, Mindstorms EV3 sets and computers.

From this camp, the students will learn

- Fundamentals of LEGO Mindstorms EV3 graphic programming
- Advanced programming concepts, such as loop, switch, parallel, myblocks
- LEGO sensor programming (color, touch, gyroscope, ultrasonic sensors)
- Gain patience, communication, and team problem solving skills
- Test what they have learned through a day of 2019-2020 FLL City Shaper challenge

Skill Level:

Lego Mechanics and Robotics with LEGO® MINDSTORMS® EV3 camp or equivalent experience is needed.

* Extended care (4:00 - 6:00 pm) available \$100 per week by Ruyee Chinese School