LeXT Robo Academy **2023** Summer Camp 8-14 yrs

Bring the best education to kids through LEGO education **Sign up! Scan** ➡

Date	Half-Day Camp: **$349** per week (9:30 - 12:00 / 1:00 - 3:30) Whole-Day Camp: **$649** per week (9:30 a.m - 3:30 p.m)	Extra Hour 3:30-6:00 $349/w
5/29-6/2	**Robotics Tournament Week with LEGO EV3**	**Robotics Fun**
6/5-6/9	**Robotics Python Fun**	**Robotics Fun**
6/12-6/16	**Robotics with LEGO EV3 - Engineering & Coding**	**Robotics Fun**
6/19-6/23	**Scratch/SPIKE Prime LEGO Robotics**	**Robotics Fun**
6/26-6/30	**Robotics Tournament Week with LEGO EV3**	**Robotics Fun**
7/3-7/7	**Robotics Python Fun**	**Robotics Fun**
7/10-7/14	**Robotics with LEGO EV3 - Engineering & Coding**	**Robotics Fun**
7/17-7/21	**Scratch/SPIKE Prime LEGO Robotics**	**Robotics Fun**
7/24-7/28	**Robotics Tournament Week with LEGO EV3**	**Robotics Fun**
7/31-8/4	**Robotics Python Fun**	**Robotics Fun**
7/31-8/4	**Robo Tourney Competition Training**	**Robotics Fun**
8/7-8/11	**Robotics with LEGO EV3 - Engineering & Coding**	**Robotics Fun**
8/7-8/11	**Robo Tourney Competition Training**	**Robotics Fun**
8/14-8/18	**Scratch/SPIKE Prime LEGO Robotics**	**Robotics Fun**
	Robo Tourney Competition Training	**Robotics Fun**
8/19	**2022 Robo Tourney Competition Day**	
8/21-8/25	**Robotics Tournament Week with LEGO EV3**	**Robotics Fun**

Regardless of whether your kids are into sports, art, or any other hobbies; Robotics is the way of the future！

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Robotics Tournament Week with LEGO EV3   Ages: 8-14

The Ultimate Robot-Battling Experience.

Campers design, build, customize, and battle robots every day!

Build Awesome Robots. By the end of day one, campers will be battling and racing with their finished prototypes! Campers can build from a variety of instructions or design their own robots from the ground up.

Test Your Robot in the Arena. Each day, campers will be able to compete in battles and other events such as races and obstacle courses.

Upgrade Your Robot. After battles and challenges, campers can create addons, defenses, and upgrades to make their robots stronger, tougher, or faster.

Learn While Having a Great Time. Camp is action-packed with tons of excitement, competitions, and fun, and getting experience building, experimenting, and even coding makes camp a great educational experience too.

Valuable Learning Opportunities include hands-on building, epic competitions, and working as part of a team.

Python Fun   Ages: 10 - 14

Make your robot smarter with Python and the Power of Coding.

Learn Python! With its simple syntax and widespread use, Python provides a whole new approach to learning programming. Python allows coders to program EV3 and SPIKE robots quicker compared to traditional block codes, allowing students to complete projects in less time. Using Python, students can produce amazing projects easier than ever before.

Campers will learn Python from the ground up, from basic movements to ultrasonic sensors, color sensors, Gyroscopes, etc., as well as advanced programming logic and algorithms. Campers will develop logical thinking skills by coding impressive and entertaining robotics projects.

Robotics with LEGO EV3 - Engineering & Coding   Ages: 8-14

Invent. Build. Code. Compete. Have Fun.

Campers learn the fundamentals of robotics by getting hands-on experience with LEGO® MINDSTORMS® EV3. Campers explore the principles of robotics and coding by imagining and creating their own robots, in addition to following instructions for specific robots provided by LEGO®. Campers are then able to add a wide variety of sensors and motors to their robots before programming them. Campers at all levels participate in a camp tournament called ROBOWARS on Friday each week.

Valuable Learning Opportunities include hands-on building, learning coding skills, and working as part of a team.

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Scratch/SPIKE Prime LEGO Robotics Ages 8-14

This program is designed to engage elementary school students in science, engineering, robotics, and coding. Students will build and program autonomous robots with the new SPIKE Prime LEGO set. Each student will have a Lego SPIKE set with over 500 pieces and a programming device. They will learn how to program the robot to move around and solve several daily challenges. Using Scratch block coding, students will also experiment with building and programming arms to collect, transport, lift, and deposit. This program will promote critical thinking and problem-solving skills.

Computer science has changed the world as we know it, and it will continue to have a profound on our lives for future generations. As a result, children must learn the basics of computer science from an early age to generate the technological advancements that align with society's needs. In this course, students will learn programming fundamentals through SPIKE, Lego's newest Mindstorms® product. Not only will this serve as an introduction to programming, but it will adequately prepare students for First Lego League, an international Lego robotics competition.

Robo Tourney Competition Training Camp

Robo tourney is a competition hosted for children and teenagers between 4 and 18 year old. The robo tourney contains 4 different competitions:

Infinite expansion (Ages 4-6), teams use LEGO building materials to create a structure focusing on horizontal reach while maintaining stability;

RecycleBot(Ages 7-8), teams create a robot using LEGO WeDo 2.0 to transport and place different types of LEGO trash can based on scenarios given in the rules;

Sumo Melee(Ages 9-12), teams create a robot using LEGO EV3, SPIKE Prime, or WeDo 2.0 to push the opponent as well as the bonus bottle in the center off the arena;

SoccerBot(Ages 13-18), teams create a robot to score or defend one's own goal in a match.

The competition will take place on August 14th. and we recommend students who wants to compete in the Robo Tourney to attend practice and training for at least 2 weeks.

Regardless of whether your kids are into sports, art, or any other hobbies; Robotics is the way of the future !