東京 TOKYO CODING CLUB

Robotic & Programming Competitions

COMPETITION NAME	AGE CATEGORY	REGISTRATION DUE DATE	COMPETITION DESCRIPTION	REGISTRATION LINK	NOTE	ATTENTION
RoboCupJunior OnStage (Sydney)	13 - 19	Team - June 7, 2019 Indv - June 27, 2019	Create a robotic performance (1-2mins) that uses technology to engage audience	https://2019.robocup.org/registration.php	https://2019.robocup.org/junior-on-stage.php	
RoboCupJunior Soccer (Sydney)	13 - 19	Team - June 7, 2019 Indv - June 27, 2019	Design, build & program 2 robots to compete in a dynamic game of robot soccer against an opposing pair of robots		https://2019.robocup.org/junior-soccer.php	1. Venue changes every year. 2. Need to qualify for preliminary round that takes place few months earlier - also meaning much earlier registration date to be aware of
RoboCupJunior Rescue Simulation	13 - 19	Team - June 7, 2019 Indv - June 27, 2019	To develop and program appropriate strategies for both real and virtual autonomous robots to navigate through the real and virtual worlds to collect objects while competing with another team's robot that is searching and collecting objects in the same real and virtual worlds		https://2019.robocup.org/junior-rescue-simulation.php	
RoboCupJunior Rescue Line	13 - 19	Team - June 7, 2019 Indv - June 27, 2019	Robots compete by following a winding line on a series of tiles to a designated rescue area. On the way the robot could encounter obstacles, bridges and short cut opportunities that will challenge the most intrepid programmer. After negotiating the randomly selected path, the robot arrives at a green coloured area which indicates a chemical spill. While the clock is still ticking the robot must find "the victim" before pushing them out of the quicksand to safety.		https://2019.robocup.org/junior-rescue-line.php	
RoboCupJunior Rescue Maze	13 - 19	Team - June 7, 2019 Indv - June 27, 2019	A disaster has occurred and it is too dangerous for human to enter. A Rescue mission is necessary. A fully autonomous robot needs to be sent into the hazardous maze to locate heated victims so that the humans know where they are. A rescue package needs to be dropped for the humans that will locate them and keep them alive, 'water' etc (note: simulated).		https://2019.robocup.org/junior-rescue-maze.php	
Google Code Jam	18 and above	n/a	Contestants advance through four online-hosted rounds to compete at the annual Code Jam World Finals that is held at a different international Google office each year. Each round brings new challenges and in the end 25 contestants will have the ultimate chance to put their skills to the test, vying for cash prizes and the coveted championship title at the World Finals.	https://codingcompetitions.withgoogle.com/		
Google Kick Start	18 and above	11/17/19	Global online coding competition, consisting of three-hour rounds of a variety of algorithmic challenges designed by Google engineers. Participants can compete in one or all online rounds held throughout the year, and will have the opportunity to develop and grow their programming abilities while getting a glimpse into the technical skills needed for a career at Google (top participants may be invited to interview at Google).			
Google Hash Code	18 and above	Registration closes at Feb 27, 2019	Google's team-based programming competition, Hash Code, allows you to share your skills and connect with other coders as you work together to solve a problem modeled off a real Google engineering challenge! In small teams of two to four, coders all over the world will tackle the first problem through an Online Qualification Round. Though this round is hosted online, teams can come together to compete side-by-side in locally coordinated Hash Code hubs. The top teams from this round are invited to join us at an international Google office for our annual Hash Code Final Round.			
National Robotics Challenge (America)	Any student in elementary, middle school, high school, or post-secondary school	Competition is over and awaiting 2020 round registration	Open to students in 6th grade through graduate school. This not only allows your students to continue with robotics as they move on, but it also let's them meet students at the next level that will inspire and encourage them.	https://www.thenrc.org/		
Robofest (America) - Robofest Game	Teams compete in the junior (grades 5-8), senior (grades 9-12), and college divisions. RoboParade: Junior includes 4th grade. Student teams, composed of up to five members each, can participate in a variety of events	2019 Competition Registration is Closed for Qualifiers and Open Categories	Accomplish robotics missions using fully autonomous robots. Robofest Game especially puts math skills to the test.	https://www.robofest.net/rms/SharedPagesServlet?cmd=getSitesTable&action=orderByDate&year=2019&superAdminMenu=1&siteAdminMenu=1&coachMenu=1	https://www.robofest.net/index.php/about	Apply as an International Site Host Organizer: https://www.robofest.net/images/1819/INT_SiteHostInfoFAQ1819.pdf
Robofest (America) - Robofest Exhibition			Each team has complete freedom to show off any creative computer programmed robotics R&D project.			
Robofest (America) - Robofest Vision Centric Challenge			Vision Centric Challenge. Advanced category for Sr. high school and college students			
Robofest (America) - Robofest BottleSumo			Be the first robot to push intentionally a bottle off the table OR be the last robot remaining on the table. (Level: beginners)			
Robofest (America) - RoboParade			RoboArts (Formerly GRAF). Robotic Music, Fashion & Dance, Robotic Painting, and Interactive Kinetic Sculptures			
Robofest (America) - Robofest Unknown Mission Challenge			Unknown Mission Challenge. Mission tasks will be totally unknown until the day of competition			
Robofest (America) - Robofest Camps			Hands-on workshops + mini competitions			
First Japan - Lego League Jr	6 - 10 yrs old	August - October but due to large volume of application, registration can turn into lottery/rejected	Study and study the subject. Produce and present a poster. Learn presentation Make a model of Lego that moves by programming Value teamwork https://firstjapan.jp/program/fll-jr/	Contact organizer for more details	https://firstjapan.jp/program/fgc/	https://firstjapan.jp/events/fll-jr-2018-2019/
First Japan - Lego League	9 - 16 yrs old		Competition consists of three areas: "robot game" and "project", "robot design", and "core value", which aim to capture missions in 2 minutes and 30 seconds with autonomous robots. In the presentation, we conduct research activities on the theme coming out of the convention every year, and each team will propose solutions in front of experts. The activities of the FLL, in which children work in teams while being familiar with science and technology, are considered to be educational programs suitable for developing 21st century skills that practice programming education and active learning. https://firstjapan.jp/program/fll/			https://firstjapan.jp/events/fll-2018-2019/
First Robotics Competition	15 - 18 yrs old	Not stated	Each team will complete robot production, adjustment, etc. within about six weeks for the issues announced at the beginning of January each year, and will participate in regional competitions that will be held sequentially at various locations after the production period ends		Find and contact a nearby FRC team from your area. There are teams that are actually working in Japan, so you should be able to get various advice on how to create a team in Japan. https://firstjapan.jp/program/frc/	
Japan Micromouse: 1. Micromouse 2. Classicmouse 3. Robotrace	Not stated	Not stated	http://www.ntf.or.jp/mouse/micromouse2019/img/MM2019_flyer_allJapan.pdf An event where small robot mice solve a 16 × 16 or 32 x 32 maze.	Contact organizer for more details	http://www.ntf.or.jp/mouse/micromouse2019/img/MM2019_flyer_allJapan.pdf	There's a free tutorial made by a student: https://micromouseguideforbeginners.wordpress.com/
Bebras Computing Challenge	Grade 3 - 11	Not stated	The Bebras® Computing Challenge introduces computational thinking to students. It is organized in over 30 countries and designed to get students all over the world excited about computing. Each participant gets 45 minutes to answer 15 multiple-choice questions that focus on computational and logical thinking. It is completed online in your own school and it shows to school and student how well their skills are developed. This is a paper-and-pencil type of competition	http://www.bebraschallenge.org/register.php	Need to check with organizer when is the registration deadline!	Instructor needs to register as coordinator before registering student for this competition http://www.bebraschallenge.org/files/Coordinators-Instructions.pdf

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Bebras Japan	Benjamin problem (5th - 6th grade) Cadet problem (1st - 2nd graders) Junior problem (junior high school third grade, high school first grader) Senior problem (high school second grade, third grader)	Nov 6	This contest is a children's contest on computer science and Computational Thinking, which is spreading in Europe.	Contact organizer for more details	https://www.ioi-jp.org/junior/bebras2018.html	http://bebras.eplang.jp/
Bebras UK	2 - 13 yrs (England & Wales) 3 - 14 yrs (Northern Ireland)	Oct 31 for school registration	The Bebras Computing Challenge introduces computational thinking to students. It is organised in over 40 countries and designed to get students all over the world excited about computing.	http://www.bebras.uk/teachers.html	Students must enter through their school. If your school does not currently take part, ask your Computing or ICT teacher if they will register your school and enter you. The UK Bebras Challenge is open to students in UK Schools, International English Speaking Schools or Home Educated students	You cannot enter as an individual. You must persuade someone in your school to enter your school. Your Computing or ICT teacher is a good person to talk to first. Tell them you are keen to enter this competition and ask them to visit this website.
TCS Oxford Computing Challenge	UK student with no age restriction	Competition is over and no information on next round	It is **an invitation event** which aims to encourage **students who have achieved a top 10% score in the UK Bebras Challenge** to develop their skills further and produce programmed solutions to computational thinking problems	Not applicable	http://www.tcsocc.uk/info.html#about	
American Compuer Science League (ACSL)	Grade 3 and above. Please refer to the flyer attached under Attention tab	Not stated	ACSL organizes computer science contests and computer programming contests for elementary, junior, and senior high schoolstudents.	http://www.acsl.org/18-19/Registration%20Form%202018-19_RI.pdf	Need to check with organizer when is the registration deadline!	Flyer: http://www.acsl.org/acsl/18-19/flyer_18_19.pdf
World Robot Olympiad Japan: WeDo Challenge https://www.wroj.org/2019/wedo-2019	6 - 10 yrs old	Not stated	The WeDo Open Challenge is designed for younger children. The goal is for each team make an exhibition that shows how automated machinery and robots that can help solve a problem related to the theme of the season. Each team must complete a series of challenge tasks in the process of making this exhibition.The controller, motors and sensors used to assemble robots must be from LEGO® MINDSTORMS® sets (NXT or EV3). The HiTechnic Color Sensor is the only third-party element that can be added to this configuration. Only LEGO branded elements may be used to construct the remaining parts of the robot. Course & measurement: https://wro-association.org/fileadmin/files/challenges/wro2019/WRO-2019-Regular-01-WeDo-Mat-Printing.pdf and https://wro-association.org/fileadmin/files/challenges/wro2019/WRO-2019-Regular-01-WeDo-Mat-Dimensions.pdf	https://www.wroj.org/2019/#open	Game & general rules: https://wro-association.org/fileadmin/files/challenges/wro2019/WRO-2019-Regular-01-WeDo.pdf	Key contact person on this link: https://wro-association.org/association/member-countries/asia-australia/japan/
Other categories available here: https://www.wroj.org/2019/#reguler						