

## SMART Technology Camp: Robot Automation

This course is designed by Carnegie Mellon's Robotics Academy and taught by a certified EV3 & RobotC instructor. The instructor has a life career of Information Technology with advanced degree in higher education. The course module teaches Lego Robot building and ROBOTC Intermediate Programming for LEGO MINDSTORMS EV3, which includes videos, animations, and step-by-step lessons designed to learn text-based programming.

The curriculum consists of two basic chapters (Motion and Sensing) and three Challenge Chapters (Pipeline Explorer, Barcode Scanner, and Automated Car Park). Each chapter is broken into units that contain key robotics and programming concepts.

After completing the course, students will be presented with a Certificate of Completion endorsed by the President of US Information Technology Association. Project winner of the "USA Youth (K-12) SMART Technology Competition" will be awarded with medals or trophies. Students have the opportunity to apply for the RoboDroid Team to participate in the local, state, and national FLL competition, led by experienced winners and certified coaches.



Price: \$300. Open to kids ages 9-13. There are four classes to choose:

- Class 1: July 18-22, (8:30-11:30 am)
- Class 2: July 25-29, (8:30-11:30 am)
- Class 3: August 1-5, (8:30-11:30 am)
- Class 4: August 8-12, (8:30-11:30 am)

Location: Cerritos, CA. (exact address will be released later).

More info at <http://english.usaita.org/smart-tech-camp>

Seats are limited; act quickly! Please submit the online registration form at [goo.gl/0mnni1](http://goo.gl/0mnni1) and pay the tuition through PayPal (credit card). If pay by check, make it payable to USAITA and send it digitally or to USAITA, PO Box 3183, Lakewood, CA 90711-3183.

If you have any questions, please send us an email ([SmartCamp@usaita.org](mailto:SmartCamp@usaita.org)) or call Dr. Yang (951-807-4874).

Organizers: Dr. Ming Yang, Dr. Peter Zhang, Dr. Jane Zhang  
Sponsor: USA Chinese Information Technology Association (USAITA)