
THE 2019 SPRING BREAK ROBOTICS CAMP

MARCH 11-15, 2019



AN INSPIRATION TO LEARN THROUGH PLAY

BY AMERICAN ROBOTICS ACADEMY

LEGO TECHNIC

SPACE CITY

MARCH 11-15, 2019

Unique lessons that take you into outer space.
Construct spaceships, space walkers, rockets, futuristic robots.
Be the director in your own science fiction movies.





WORLD ROBOT OLYMPIAD

LEGO MINDSTORMS

MARCH 11-15, 2019

A COMPETITION

CATEGS

2019 COMPETITION

SMART Cities

3 age groups -- 3 different themes
Lego Mindstorm robot is autonomous for 2 minutes to complete missions on a mat on a table. join as a camper, or just on Competition Date (Friday).

CATEGORIES

Smart Passenger Transport
Smart Lighting
Smart Network



Three age groups:

Smart Passenger Transport (up to 12y)

Smart Lighting (up to 15y)

Smart Network (up to 19y)

Hardware: LEGO® MINDSTORMS® sets and Lego elements

Surprise Rule: A surprise rule will be announced when the competition starts (Friday), to test the team's ability to adapt their hardware and/or programming

Team: A team consists of 1 coach and 2 or 3 team members.

You can join as part of our camp, or choose just Friday (competition date).

PARTICIPANTS CAMP TEAMS

Full-service coaching and competition in one

Students are grouped into teams and coached for 4 days. Compete on Friday. Winners head to California for Nationals.

OUTSIDE TEAMS

Practice at home. Compete on Friday.

Come to the camp to learn the mission requirements and practice at home. You bring your own equipment and your coach.



Smart Passenger Transport

This year, it is the mission to build a robot that can act as a real autonomous, self-driving taxi that takes passengers from a starting position to a target area.s. (up to 12y)

Smart Lighting

This year, the mission is to design a robot that can replace old light bulbs with smart lights. Your robot will take new smart lights from the storage area and bring them into different rooms (red, blue, yellow, and green areas) in the building. In addition, the robot will find old light bulbs and bring them to the trash area. This way, the robot can modernize the lighting system in the building and help save energy. (up to 15y)

Smart Network

This year, it is the mission to create a robot that modernizes the network within a city by installing new wireless node devices and establishing an optical network between them. (up to 19y)

FREQUENTLY ASKED QUESTIONS

CAMP LOCATION

World Champions Centre
28865 Birnham Woods Drive
Spring, Texas 77386
2nd Floor, Classroom A

AGE

5y and up

HOURS

Morning Class: 9-12
Afternoon Class: 1-4
Full-day Class: 9-4
Late pickup available

PRICING

\$245 - \$495
Early bird discount available through 2.28.2019

CONTACT

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