



Unknown Mission Challenge 2016

1-15-16 V1.01

Mission tasks will be totally unknown until the day of competition. The goal of this challenge is to provide an opportunity to develop problem solving skills on the fly without any help from adult coaches.

Teams may only use the approved robot kits shown below, and must bring their own robot. Pre-assembled robots cannot be used. All robot components must be unassembled at the beginning of the competition. Sensor or motor multiplexors are not allowed.

- LEGO NXT sensors, motors, parts, and one NXT controller
- LEGO EV3 sensors, motors, parts, and one EV3 controller

Teams can use any programming language and they need to bring their own computer to program the robot. No internet or cell phone use will be allowed.

There will be a waiting line for the practice field. As long as the practice field is available, teams have unlimited practice runs with their robot before the end of competition. Teams will have 2 “official” runs that will be judged. Winners will be decided by best score of the 2 official runs. Tie breaker will be the time of the best run.

Competition Date

- Friday, May 13, 2016, Part of World Championship at LTU, Southfield, MI

Age divisions

- Junior (5th ~ 8th grade): Maximum 20 teams
- Senior (9th ~ 12th grade): Maximum 20 teams. **Each high school member of winning teams is eligible to receive a \$2,000 renewable LTU scholarship.**

Team Size: 1 ~ 3 members per team

Tentative schedule

- Noon: Check-In begins
- 1:00pm: Unknown mission tasks are unveiled
- 1:15pm: Competition begins
- 4:00pm: Competition ends
- 4:30pm: Awards