

Robotics Competition

2015 New London County 4-H fair and expo robotics competitors. There are going to be 2 age groups 7-9 and 9 & up. For each age group you will have a different task, your directions will be listed below. The 7-9 age group, your task is to program your robot to go through a maze and pass a line that triggers your robot to set of flashing lights. The 9 & up age group, your task is to program your robot to go through a maze and at the end to kick a ball into a net. The dimensions of the playing field are "93" x "45". HAVE FUN!!!!!!!

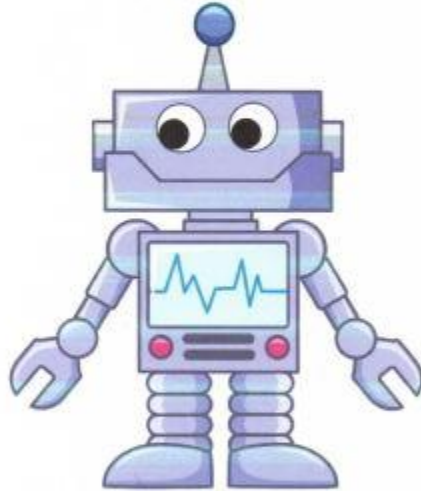
Your Directions are Listed Below:

7-9 age group How to Program:

1. Move forward 30in
2. Turn left 90°
3. Move forward 30in
4. Turn right 90°
5. Move forward 50in
6. Move forward 3in make lights flash

9 & up age group How to Program:

1. Move forward 5in
2. Turn left 90°
3. Move forward 10in
4. Turn right 90°
5. Move forward 30in
6. Turn left 90°
7. Move forward 10in
8. Turn right 90°
9. Move forward 20in
10. Turn right 90°
11. Move forward 10in
12. Turn left 90°
13. Move forward 30in
14. Lift leg 10° and kick ball into net in front of you.



[See attached Entry Form](#)

Following the “Soccer Match”:

4-H We-do Challenge Build

Anyone can enter! The Challenge character is announced at the start of the contest. Use your imagination to build the character within the allotted time. Judging standard is given at the start of the contest. Entry is accepted at the time of the contest.

NEW LONDON COUNTY 4-H FAIR & EXPO ROBOTICS CHALLENGE ENTRY FORM



_____ Exhibitor/Team # (Fair Secretary will assign)

Exhibitor's/Team Captain's Name: _____

Address: _____

Phone: _____ Age (as of 1/1) _____

CLASS 30: ROBOTICS CHALLENGE

TEAM MEMBERS:

_____ Age (as of 1/1) _____
_____ Age (as of 1/1) _____
_____ Age (as of 1/1) _____
_____ Age (as of 1/1) _____
_____ Age (as of 1/1) _____

I agree to abide by all rules, regulations and decisions of the 4-H Exposition. I also agree not to hold the New London County 4-H Fair Association or North Stonington Grange responsible for any accident to exhibitor, animal, vehicle or spectator.

Exhibitor's Signature:

_____ **Date** _____

In case of medical emergency, I hereby give permission for my child to be transported and treated. Insurance information:

Parent/Guardian Signature _____ **Date** _____