

# robo expo!

## Line Following Challenges

### Line Following Challenge A

**The challenge:** Your robot must follow the shape starting in the center and completing the entire path. Each participant will have two chances to complete the challenge.

**Time Limit:** The trip must be completed within 1.5 minutes.

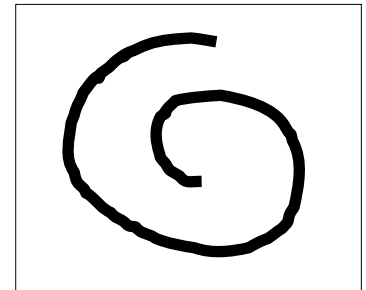
#### **How to recreate a practice course:**

What the course looks like:

A swirl shape

Black line = 1.5 inches

The shape will be placed on a 4' X 6' piece of foam core.



### Line Following Challenge B

**The challenge:** Your robot must follow the “S” shape starting at one end and completing the entire path. Each participant will have two chances to complete the challenge.

**Time Limit:** The trip must be completed within 1.5 minutes.

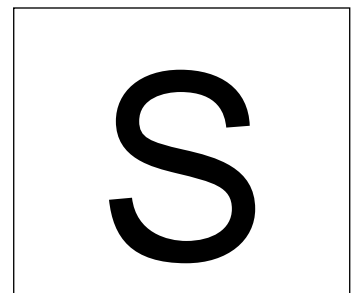
#### **How to recreate a practice course:**

What the course looks like:

An “S” shape

Black line = 1.5 inches

The shape will be placed on a 4' X 6' piece of foam core.



### Line Following Challenge C

**The challenge:** Your robot must follow the triangle starting and ending at the same place to complete one entire circuit. Each participant will have two chances to complete the challenge.

**Time Limit:** The trip must be completed within 1.5 minutes.

#### **How to recreate a practice course:**

What the course looks like:

A triangle

Black line = 1.5 inches

The shape will be placed on a 4' X 6' piece of foam core.

