

Line Following Challenges

Challenge A

The challenge: Your robot must follow the oval shape starting at some point on the oval and completing the entire path, ending in the starting position. Each participant will have two chances to complete the challenge.

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

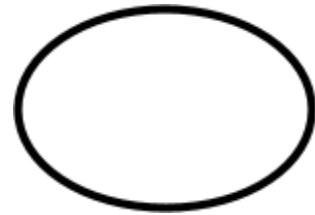
How to recreate a practice course:

What the course looks like:

An oval shape

Black line = 1.5 inches thick

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



Challenge B

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

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

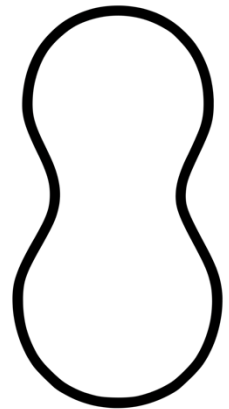
How to recreate a practice course:

What the course looks like:

A peanut shape line

Black line = 1.5 inches

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



Challenge C

The challenge: Your robot must follow the line starting at one end and completing the entire path. Each team will have two chances to complete the challenge.

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

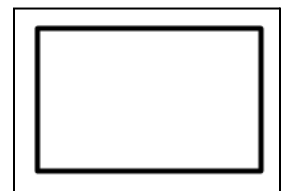
How to recreate a practice course:

What the course looks like:

A rectangle

Black line = 1.5 inches

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



Challenge D

The challenge: Your robot must follow the line starting at one end and completing the entire path. Each team will have two chances to complete the challenge.

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

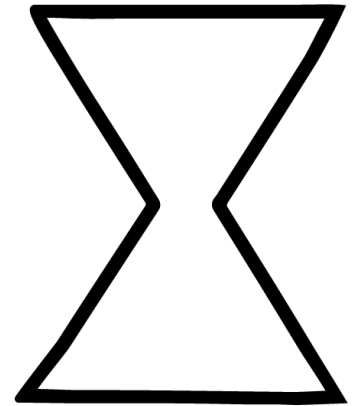
How to recreate a practice course:

What the course looks like:

An angular hourglass shape.

Black line = 1.5 inches

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



Challenge E

The challenge: Your robot must follow the line starting at one end and completing the entire path. Each team 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:

The letter T outline.

Black line = 1.5 inches

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

