

FAQ'S Updated February 4, 2025

Is there an entry fee?

Yes, The Registration fee for 1 or 2 teams is \$25. The Registration fee for 3, 4, or 5 teams is \$50. For logistical reasons, a maximum of 5 teams per school may be entered. Each team may have up to 10 students.

Is there a lunch break scheduled, or do we need to plan on having something delivered/brought in?

Yes, There is a 60-minute lunch break built into the schedule. Students may bring sack lunches into the Memorial Union.

Are there multiple events happening at once or do you go through each event then move to the next?

No, we will run one event at a time. On the day of the competition, someone will operate a microphone and give clear instructions.

Do we need to register each team beforehand or that day at 9 am?

Yes, you need to register each team beforehand, this allows us to plan and schedule accordingly. It also allows us to be sure the day runs as smoothly as possible.

I know we have the event at the FHSU Memorial Union but where will I need to have our buses park? Can we unload and load equipment close to the building?

Buses will need to park in the Gross Memorial Coliseum parking lot. Yes, the buses can pull up and unload students and supplies on the west side of the Memorial Union by the bronze tiger.

Can the teams use supplemental kits in addition to the base kit for the robots?

Yes, just make sure to obey the event rules.

Can parts from multiple kits be mixed on one Robot?

Yes, you may build your robot using any combination of parts, motors, and sensors from new Spike Prime, Mindstorms, NXT or EV3 kits in any of the competitions.

What is the height from the floor to the top of the Sumo Bot playing field?

2 inches

Can I use the pressure sensor from the Spike Prime Kit on my Sumo Bot?

Yes, you can use the pressure sensor from the Spike Prime Kit on your Sumo Bot.

On the line follower competition, will the color sensor of the robot be placed behind or in front of the black start line?

The Color Sensor will be placed on the black line behind the start line.

For the Whoops competition, the details specify that the "Robot can NOT touch the first ladder rung at start position." Is that meaning that the robot will be aligned in a starting position just before (not touching) the first rung to start the event? Or does that mean that after the robot starts, it must cross over the first rung without touching it?

The robot will be aligned in a starting position just before (not touching) the first rung to start the event.

On the Whoops ladder, the illustration shows 1-1/8" PVC side rails and 3/4" PVC cross bars. What size PVC is used?

The entire Whoops ladder is made from 3/4" PVC pipe which has 1-1/8" outer dimension.

From the illustration of the Mystery Maze, it appears that the top view of this maze will be covered during the competition. Is that correct?

Yes, The maze is obscured from aerial view except for the green and red spaces.

Will the students see the Mystery Maze or test their robot on the Mystery Maze before the event?

No, the students will not see the mystery maze prior to the event. The students will not be able to test their robots on the day of the event. The students will need to do all their testing at their school.

On the Mystery Maze, am I understanding correctly that the robot should not stop until it has arrived and is FULLY on the red? It might be penalized if it stops before positioning itself fully on that red square.

Yes, the robot should not stop until it is completely on the red square. Travel time will be recorded with a stopwatch from pushing the start button to the robot stopping completely on the red space. If it does not stop, it will not be considered to complete the maze.

When the robot program start button is pressed, there is a 1 to 2 second delay before the program begins executing. We have always put a 5 second delay in the program. I think some schools have programmed a 3 to 4 second delay rather than a 5 second delay to compensate for the execution delay. Can you confirm that the intention is for the robot to pause 5 seconds before moving (rather than have a programmed 5 second delay)?

As stated in the rules, the Sumo Bot must wait 5 seconds before moving. If you do factor in delay time, just remember, from the press of the button to the start of the robot, it must be no less than 5 seconds.

