

4-H Robotics Challenge
2017
Advanced Grades 9-12
Olympic Trials!

Weight it up! Olympic Weight Lifting

Objective: Pick up as many “weights” as possible and put them on the stands

1. Start robot in the starting box
2. Pick up as many of the items and place them on the shelves.
3. Each shelf will have a color coded strip. Only weighted items with the same color coded strip can go on that shelf. Points will be awarded only if the color coding matches.
 - a. 1 point per match on short shelf
 - b. 2 points per match on medium shelf
 - c. 4 points per match on tall shelf
4. You have two minutes to complete this.
5. Team with the most points, wins.

Track Athlete

Objective: Complete the 800 with obstacles!

1. Robot must start at the starting line
2. Complete 2 laps around the track while avoiding the obstacles, must finish completely past the starting line.
3. Best time wins.

Field Games: How far can you throw?

Objective: Throw the javelins and shotputs as far as you can!

1. Robots will start behind the line
2. Throw the javelins and shotputs at the rings designated for shotput and for javelin.
3. Youth will receive points based on hitting the correct circle.
 - a. 2 points for javelins
 - b. 4 points for shotputs
4. You have two minutes to complete this activity.
5. The team with the most points wins.