

1. Get two pieces of wood.
2. Cut one inch two times off the same board.
3. Screw the eight Dry Wall Screws into the wood.
4. Mark a hole the bolt.
5. Drill a hole at the bottom, with a spade bit, for the nut to go in.
6. Drill a hole for the bolt.
7. Get a nut and washer.
8. Put the bolt through the wood and crank it down.
9. Use a level to make sure the bolt is plumb.
10. Attach the cardboard tube to the metal bolt with twist ties.
11. Get 3x12 inches of carpet.
12. Cut the carpet in half.
13. Cut a circle from the carpet.
14. Get rid of the other half.
15. Screw the carpet to the wood.
16. Make 3 marks at zero feet, two feet, and 5 feet.
17. Drill three holes for the LED and light sensor.
18. Mark 0feet, 1foot, 2feet, 3feet, 4feet, and 5feet and all of the inches. With marker.
19. Put the sensor and LED in the three holes and use rubber-bands to hold them in place.
20. Put the wires that connect to the tube, to the circuit.
21. Connect the tube to the threaded rod.
22. Make the program. *“Look at my listing”*
23. Test the program for any problems. If there are any problems then fix them.
Double check the distances between sensors. (the photo transistor side).
24. When all the problems are fixed then compile the program.
You should compile the program because, it will see the ball, and run faster.
25. You run the program. Then hit 3 (when it asks ;How many sec. Between BTN.
press?; you type 75, then get a stop watch and hit it when you the BTN, then you
hit the 2nd BTN at any time between 1-75 sec., and then hit the 3rd BTN at 75 sec.).
26. Do the ball drop a couple times with a couple different things.