

Inclined To Win

Judge: Preparation:

Set up the room with the following materials

- 2 two foot-strips of masking tape
- 1 8" strip of masking tape
- One chair, without arms
- One 2x4x8
- One wastebasket, close to yet not as high as the chair seat

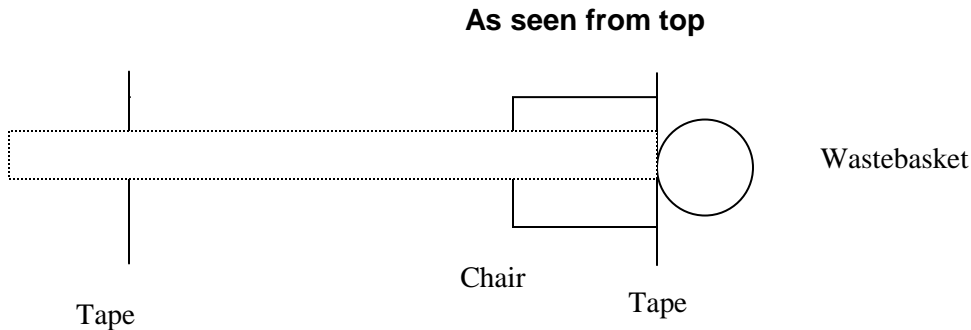
Setup:

- Place the 2 two-foot of masking tape parallel on the floor 6' apart
- Place the chair between the masking tape strips, one side right on one of the strips
- Use the small piece of tape encircle the 2x4x8 2' from one end

Provide the following materials on a table for the team members.

- 2 pieces 8 1/2 x 11 light cardboard
- 2 rubber bands
- 5 Golf Balls
- Unlimited masking tape
- 2 10" pieces of string
- 15 Marbles
- 1" square of clay
- 5 Tennis balls
- 2 Softballs

Provide a copy of the problem instructions on the table for the team members.



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Judge Instructions:

(Judge: When team members enter the room, tell them)

This is a hands-on challenge. You have 1 minute to select the five team members who will compete. The others must sit in these seats and watch or be escorted from the room. They may not assist in solving the problem and may not talk.

(Judge: After 5 Team Members Chosen and seated, Read all the instructions, repeat, then Start the Time)

Your challenge is roll the balls down the ramp(the 2x4) into the waste basket.

- One end of the ramp must rest on the chair
- A team member may hold the other end of the ramp
- Members of the team will start balls down the ramp, one at a time.
- You may attach materials to the 2x4, however, you may not alter any of the balls or the 2x4 itself

Construction and Practice (6 minutes)

- You will have 6 minutes to practice and construct
- You will be given warnings when 2 minutes, and 1 minute remain.
- You may stop early and inform the Judges that you are done

Scoring time (3 minutes)

- After Construction and Practice you will have three minutes for scoring
- Once scoring time begins, no team member may go past the line farthest from the waste basket
- Once scoring time begins, and the 2x4 placed on the chair, no team member may touch the 2x4 or release balls in front of the 2' mark on the 2x4
- You may not retrieve a ball that is past the line

Scoring is based on the number of balls properly starting down the incline and staying in the basket

- 1-20 points for teamwork
- Marbles 1 Point
- Golf balls 2 Points
- Tennis balls 3 Points
- Softballs 5 Points

You may ask questions at any time, time continues

(Judge: Repeat all the instructions, then Start the Time)

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Team Copy

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