

## HANDS-ON Problem: A Charlie Brown Christmas

Tell the team: This is a hands-on problem. You have one minute to decide which 5 team members will participate in solving the problem.

JUDGES READS (after team selects 5 participants): This is a two-part problem. In Part 1, you will have 5 minutes to build a “tree” with the materials provided. In Part 2, you will have 2 minutes to accumulate score. Any materials unused during Part 1 may be used in Part 2.

Your problem is for you to build an item out of the materials provided. This will be affectionately called the “tree”. Your tree must be entirely within the marked off Tree Area to count for score. You must remain outside the Foul Area at all times during this Hands on problem; meaning you may not touch any part of the floor within the foul area.

When part 2 begins, each of you will choose a foul area in which to sit or stand. You will then attempt to place as many Ping Pong balls upon the tree for score.

Score will be as follows:

Each one-inch of height of your tree will receive 2 points.

Each Ping Pong ball on the tree will receive 2 points for every inch that the ball is off the floor

Teamwork during Part I: 1-20 points

Give teams the following materials:

4 yard sticks, brooms, or similar, 1 paint bucket, maybe a couple of branches from the yard, but don't make this too easy. 6 sheets of paper, 4 paper cups, 1 fish tank net, 1 brick, 2 mailing labels 3 small pieces of cardboard, Four 8' pieces of string, 6 Ping Pong Balls

Remember, practice problems may be altered according to what the coach has available.

Site Setup (May be altered according to space you are using.) Foul Areas should be 4 feet away from the Tree Area. Tree area should be about 2' square. Team may build the tree outside of the tree area as long as the tree is placed in the tree area before the end of part one, but don't tell them this unless asked. The team may use items not used to make the tree to place the balls on the tree. If it looks like it is going to be too easy for the team to place the balls on the tree, change the foul line. Why not make them get creative?