

## RAKE THEM IN

**Challenge:** Your TASK is to use the materials provided in a PERFORMANCE in which your team invents a contraption that rakes leaves.

**Time:** You will have up to 5 minutes to use your IMAGINATION to develop your PERFORMANCE and BUILD your contraption using the materials provided, and up to 2 minutes to present your SOLUTION to your Team Manager.

**The Scene:** The DI Hardware Store has hired you to come up with a creative way to rake leaves. You must build a contraption that will rake the leaves into the bag without ever touching the leaves and present your invention to the president of the DI Hardware Store (your Team Manager).

### Procedure:

- Part One (5 minutes): Build a contraption that can rake the leaves into the bag without the need to touch the leaves. You may move and touch the leaves during this five minutes, but you will not be able to touch the leaves once Part Two begins. Also during this five minutes, you must develop a performance where your team will show the DI Hardware Store President (that is, your Team Manager) how it works and convince them to buy your contraption.
- Part Two (2 minutes): Present your Performance to the DI Hardware Store President. You will get points for each leaf you get into the bag. The leaf bag must stay in the taped square at all times. If the bag leaves the square or if any team member touches a leaf then the judge will end the challenge.

### Materials:

Four paper clips

Four rubber bands

Four pipe cleaners

Four mailing labels

One sheet of tin foil

Four paper plates

Six sheets of newspaper

Four note cards

One piece of string

One plastic cup

Scissors are provided but should not be used in your solution.

**Scoring:** You will receive up to:

20 points for how creatively you use the materials for your contraption

5 points for each leaf placed into the bag (maximum of 40 points)

20 points for the creativity of your performance

20 points for how well your team works together

FOR TEAM MANAGERS:

You can use crumpled up newspaper for leaves or get real ones if you wish. Scatter 8 leaves onto the floor and place a paper grocery bag in the center of a taped square that is three feet per side. During Part I the kids can scatter the leaves any way they want and try out their invention. They can move the bag anywhere they want as well. Its not until Part II where they cannot touch the leaves that you will scatter or take the bag outside of the taped square. During Part II, the kids can enter and leave the taped square with the invention, its only the bag that must stay within the taped square. Again, if the bag leaves the square or if one of the kids touch a leaf, then the challenge stops and they are immediately scored.

GENERAL LAYOUT:

