

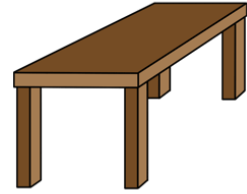
# DUCT TAPE CHALLENGE

## Table - FOR EVENT LEADER

**MATERIALS:** Each team gets the following:

- 2 rolls of duct tape
- 6 sheets of legal size paper

Teams may also bring something to write with, a stopwatch, 1 scissors, and 1 ruler.



There is one extra set of materials for if a team discovers they are missing something, or something is damaged. It is THEIR responsibility to check materials before the competition begins. Their instruction sheet tells them to do so.

Teams also need a copy of the instruction sheet.

You need a way to time the **35 minute build time**.

Please note- teams cannot intentionally attach their table to the floor or a wall, etc... It is extremely possible that the table will have sticky parts of the duct tape that unintentionally want to stick to the floor on the bottom of the table legs, that is ok. You can tell the difference between incidental stickiness and intentional taping to the floor. They should add some paper or use the non sticky side of tape to make it able to stand without sticking to the floor.

Note: measure the height before you place the cup on top in case it topples during testing.

**TIEBREAKER:** The team with the greatest surface area of the top of the table wins (measure length x width in cm). You should measure this for all teams, but you only need to do the math if there is a tie.

# Duct Tape Challenge – TABLE



School \_\_\_\_\_

Names: \_\_\_\_\_ , \_\_\_\_\_

**You are responsible for making sure you have all the materials and that none are damaged. DO THIS NOW!**

2 rolls of duct tape

6 sheets of legal size paper



**TASK:** Build a table that can hold a coffee cup with a wikiHow golf ball in it for 3 seconds as tall as possible. It must have 4 legs and a top. It must be free standing (you cannot tape it to the floor, a wall, a table, etc). The table will be measured to the tallest point of its flat top. If it falls over it will be measured to the tallest remaining point. The cup cannot be taped to the table in any way. **You will have 35 minutes to build.**

**SCORING:** The tallest table wins. Teams that do not have 4 legs and a top will be placed in Tier 2. If the table holds the cup and ball for at least 3 seconds, 5 cm will be added to the height.

**TIEBREAKER:** The team with the greatest surface area of the top wins the tie (length x width in cm).

## FOR EVENT LEADER

Height of Table (in cm to the nearest tenth): \_\_\_\_\_

Length \_\_\_\_\_ (cm) x width \_\_\_\_\_ (cm) of top (tiebreaker): \_\_\_\_\_

Tier 1: Has 4 identifiable legs and a top \_\_\_\_\_

Tier 2: Does not have 4 identifiable legs and a top \_\_\_\_\_

Holds the cup and ball for at least 3 seconds (+5 cm) \_\_\_\_\_

FINAL SCORE: \_\_\_\_\_

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