

# Junkyard Challenge Score Sheet 2010 (revised 11/8/09)

Full School Name: \_\_\_\_\_

Full Student Names: \_\_\_\_\_

## JUNK BOX IMPOUND

- a. All materials fit in box with closed lid  $\leq 40.0$  cm x  $40.0$  cm x  $60.0$  cm, add 33 pts. = \_\_\_\_\_
- b. All **required** materials found in box and mousetraps labeled, add 22 points = \_\_\_\_\_

*Confiscate any and all **prohibited** and **unsafe** materials and tools.*

## POINTS AWARDED

- c. Ready to run within 30 minute setup period, add 100 points = \_\_\_\_\_
- d. Mousetraps are 90 degrees apart, add 17 points = \_\_\_\_\_
- e. Successful **Start Task**, add 58 points = \_\_\_\_\_
- f. Successful **Task Completion**, add 60 points = \_\_\_\_\_
- g. Number of whole seconds to task completion = \_\_\_\_\_ (limit 60) x 2 points = \_\_\_\_\_
- h. If device operates at least 5 seconds before the first mousetrap trip, add 42 points = \_\_\_\_\_
- i. Number of mousetraps tripped by the device = \_\_\_\_\_ (limit 4) X 35 points = \_\_\_\_\_
- j. Is the North trap tripped first? Circle YES or NO, if YES, add 25 points. = \_\_\_\_\_
- k. Is the South trap tripped second? Circle YES or NO, if YES, add 50 points. = \_\_\_\_\_
- l. Is the West trap tripped third? Circle YES or NO, if YES, add 75 points. = \_\_\_\_\_
- m. Is the East trap tripped fourth? Circle YES or NO, if YES, add 100 points. = \_\_\_\_\_
- n. Any action that is a direct result of a touch CANNOT earn points

**TOTAL POINTS AWARDED = \_\_\_\_\_**

## PENALTIES ASSESSED

- o. Number of times the device is touched = \_\_\_\_\_ X 18 points = \_\_\_\_\_
- p. Number of cm. off for N = \_\_\_\_\_ + S = \_\_\_\_\_ + W = \_\_\_\_\_ + E = \_\_\_\_\_ = \_\_\_\_\_ X 8 = \_\_\_\_\_  
(total)
- q. Teams that impound a box but fail to attempt construction of a device will be considered a No Show.

**TOTAL PENALTIES ASSESSED = \_\_\_\_\_**

**(Total Points Awarded – Total Penalties Assessed) TOTAL FINAL SCORE = \_\_\_\_\_**

**FINAL RANK = \_\_\_\_\_**

Ties will be broken as follows: 1. Fewest penalty points; 2. Longest time of operation.