

# WIDI TEST!!!

## Set Up Sheet:

### Materials Needed (used)

- 1 (4inch diameter) styrofoam plate
- 1 white 3oz plastic cup
- 3 toothpicks
- 4 popsicle sticks
- 2 rubber bands
- 2 purple paper clips
- 1 pink paper clip
- 1 cotton ball
- 2 coffee stirrers (18cm long each)
- 1 safety pin
- 2 small black binder clips
- 1 - 9cm long string
- 1 coffee filter
- 1 15cm long string
- Orange Marker

### Unused materials:

- 1 toothpick
- 1- 9 cm string
- 1 blue paperclip
- 1 3oz white plastic cup
- 1 rubber band

## Rubric:

### Coffee Filter:

- A. \_\_\_\_ Should be flattened on the surface
- B. i. \_\_\_\_ on the side closest to you, the word "CAT" should be written in orange
- ii. \_\_\_\_ The letters should be capitalized

-> total \_\_\_/3

### Plate:

- A. \_\_\_\_ plate is upside down
- B. \_\_\_\_ plate is on coffee filter (centered)

-> total \_\_\_/2

### On Plate:

#### A. Toothpicks

- i. \_\_\_\_ 2 toothpicks are stuck in the plate at 3 o'clock and 4 o'clock
- ii. \_\_\_\_ the toothpicks are stuck in so 3.5cm is showing on top of the plate
- iii. \_\_\_\_ a pink paper clip is connecting both toothpicks and is touching the plate

-> total \_\_\_/3

#### B. Popsicle Sticks.

- i. \_\_\_\_ 3 popsicle sticks are laid on the plate making a C shape (boxy)
- ii. \_\_\_\_ the popsicle stick in the front and back and overlapping the one on the left.
- iii. \_\_\_\_ the bottom and left stick as well as the top and left stick are perpendicular to each other but overlap each other.

-> total \_\_\_/3

### Cup:

- A. \_\_\_\_ Cup is right side up
- B. \_\_\_\_ Cup is in the center of the plate

-> total \_\_\_/2

### On top of cup:

#### A. Binder Clips

- i. \_\_\_\_ binder clips are clipped on the rim of the cup across from each other at the northeast and southwest corners of the cup
- ii. \_\_\_\_ the metal part of both clips on one side are flipped down so it touches the inside the cup.
- iii. \_\_\_\_ the metal parts on the outside of the rim of the cup is facing up

-> total \_\_\_/3

- B. \_\_\_\_ 1 straw is placed through both outer metal binder clips so it is going from South east to north east

-> total \_\_\_/1

C. On the Straw:

- A. \_\_\_\_ A purple paperclip is on the straw in between both binder clips but touching the northeast one. (**Tie Breaker #1**)
- B. \_\_\_\_ two rubber bands are hanging off the northeast end of the straw
- C. \_\_\_\_ a toothpick is inside the southwest end of the straw and sticking 2cm out of the straw
- D. \_\_\_\_ a purple paperclip is hanging off the toothpick about 1 cm from the end of the toothpick

-> total \_\_/4

Inside the Cup:

- A. \_\_\_\_ A cotton ball should be inside the cup pushed to the bottom
- B. A popsicle stick should be stuck straight up on the south east corner

-> total \_\_/1

-> total \_\_/1

C. Straw

- i. \_\_\_\_ Should be pushed to the bottom of the cup
- ii. \_\_\_\_ Should be standing up leaning against the cup side
- iii. \_\_\_\_ Should be on the northwest corner of the cup

-> total \_\_/3

D. On the Straw

- i. \_\_\_\_ about 4 cm down a string should be tied onto the straw.
- ii. \_\_\_\_ the string should be draping down on the left side and horizontal on the right
- iii. \_\_\_\_ safety pin with the non-clip side facing the front should be on the straw above the string (**Tie Breaker #2**)

-> total \_\_/3

Total

\_\_\_/26

Final Tiebreaker is time

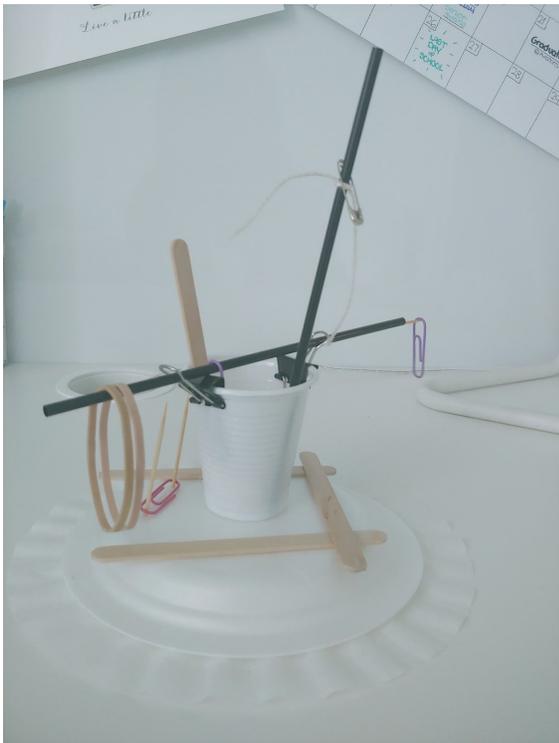
Pictures:



Front View



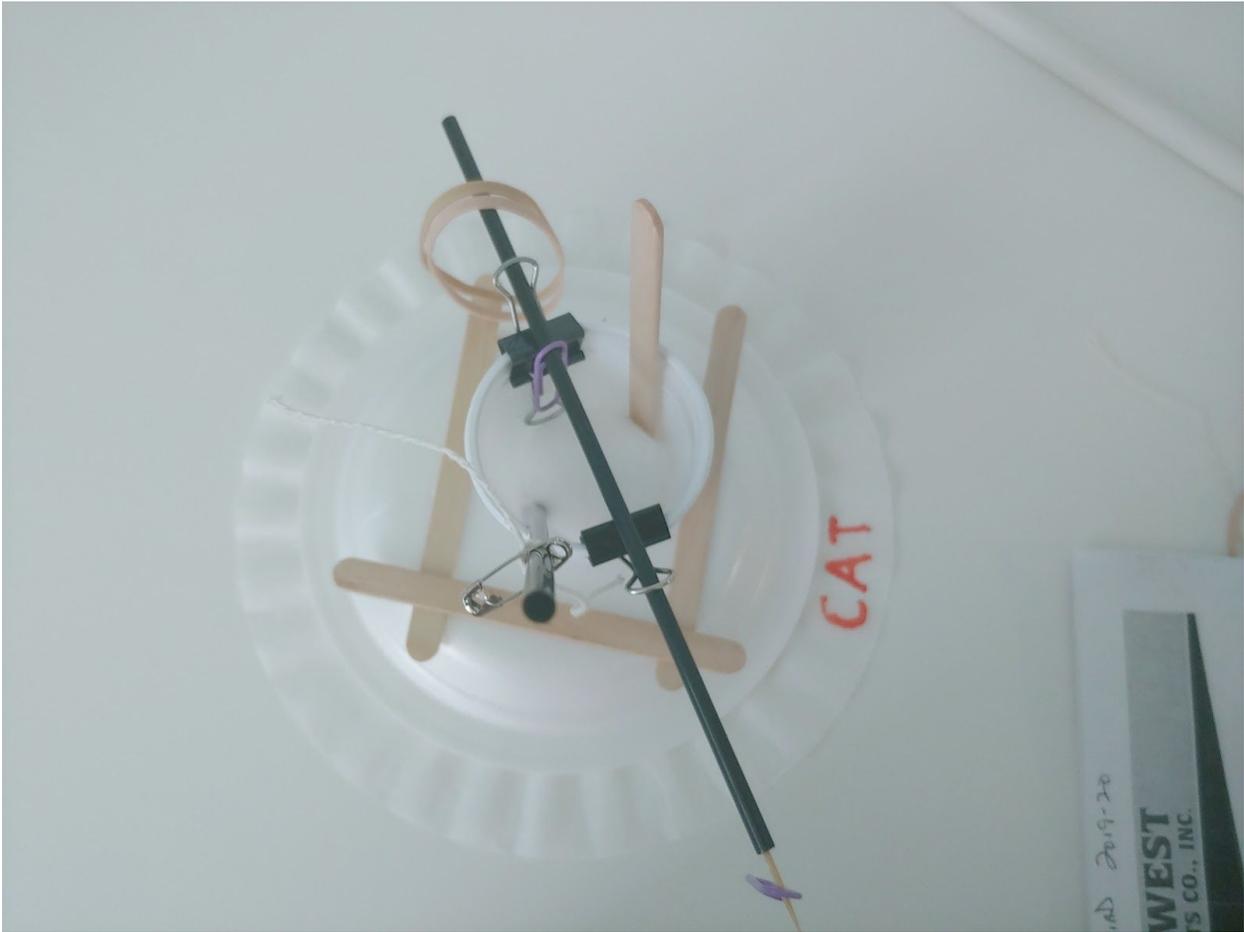
Right Side View



Back View



Left Side View



Top View