

Team # _____
 Team Name: _____
 Student Names: _____

Score: _____
 Time: _____
 Rank: _____

Ran by Kinawa 5-6 School, Okemos MI

Holt Invitational - February 24, 2018

WIDI Scoring Rubric

No Partial Points. Model needs to be placed such that the BLUE LINE on the top of the cup is ORIENTED at due north (12pm on clock) and the RED LINE is at due south (6pm on clock) when looking down on it from like a bird's eye view.

#	Criteria	Points Scored
1	Styrofoam Cup	____/2
1.1	Used in model	
1.2	Place upright with opening to ceiling	
2	Skewer 1: (skewer with both entry holes above all others)	____/10
2.1	Uncolored skewer is used.	
2.2	Skewer is oriented horizontally through cup (in East-West orientation)	
2.3	Pointed tip is facing due WEST	
2.4	Skewer is centered in cup (meaning about the same amount of the skewer is sticking out on each side of the cup)	
2.5	Skewer is placed just under the top rim of the cup with both edges of skewer touching the bottom rim of the cup (see model)	
2.6	Skewer has a Corn Starch packing letter "O" on it in the inside of the cup	
2.7	The skewer pierces through the packing letter "O" (see model)	
2.8	The packing letter "O" is pierced lengthwise from the top of the "O" to the bottom of the "O" (see model)	
2.9	The packing letter "O" is positioned on the east side of the cup	
2.10	The packing letter "O" is touching the inside edge of the cup	
3	Skewer 2: (skewer with one entry hole near top of cup and other entry hole at mid cup)	____/12
3.1	Skewer with Green Point and Blue blunt end is used.	
3.2	Skewer is oriented in North-east to South-west direction through cup (looking down from bird's eye view of cup)	
3.3	Pointed tip is facing North-East	
3.4	Only less than 1 inch of the pointed end of the skewer is sticking out of the side of the cup (meaning the skewer is NOT sticking out the same amount on each side of the cup - the pointed end only has the colored tip showing)	
3.5	The pointed end of the skewer is coming out of the cup at about 1/2 way down the side of the cup (see model)	
3.6	The side of the skewer with the blunt end goes through the cup at the edge of the top rim of the cup. (see model)	
3.7	Skewer has 2 Corn Starch packing letters, one "S" and one "O", on it in the inside of the cup	
3.8	The skewer pierces through the packing letters, including the "O" (see model)	
3.9	The packing letters are pierced from the top of the letters to the bottom of the letters (see model)	
3.10	The packing letter "S" is positioned on the upper level, or west side of the cup (see model)	
3.11	The packing letter "O" is positioned on the lower level, or east side of the cup (see model)	
3.12	The packing letters are spaced so they do NOT touch the sides of the cup nor each other.	

4 Skewer 3: (skewer with both entry holes around mid cup)		/14
4.1	Uncolored skewer is used.	
4.2	Skewer is oriented in North-east to South-west direction through cup (looking down from bird's eye view of cup)	
4.3	Pointed tip is facing North-East	
4.4	Skewer has less sticking out of the cup on the pointed tip side than on the blunt end side.	
4.5	The pointed end of the skewer is coming out of the cup at about 1/2 way down the side of the cup (see model)	
4.6	The pointed end of the skewer is coming out of the cup on the very right (due EAST) side of the cup.	
4.7	The blunt end of the skewer is coming out of the cup at about 1/2 way down the side of the cup (see model)	
4.8	The blunt end of the skewer is coming out of the cup on the very bottom (due SOUTH) side of the cup.	
4.9	Skewer has 2 Corn Starch packing letters, one "S" and one "O", on it on the outside of the cup	
4.10	The skewer pierces through the packing letters, including the "O" (see model)	
4.11	The packing letters are pierced from the left/right SIDES of the letters (see model) [NOT front/back or Top/bottom of the letters]	
4.12	The packing letter "S" is positioned closest to the cup (see model)	
4.13	The packing letter closest to the cup on the outside is touching the cup (see model)	
4.14	The packing letters are spaced so they DO touch each other.	

5 Skewer 4: (skewer with both entry holes near bottom of cup)		/8
5.1	Skewer with BLUE Point and GREEN blunt end is used.	
5.2	Skewer is oriented vertically through cup (in NORTH-SOUTH orientation)	
5.3	Pointed tip is facing due NORTH (in-line with the blue line on the cup)	
5.4	Blunt end is facing due SOUTH (in-line with the red line on the cup)	
5.5	Skewer is uncentered in cup with more of the skewer sticking out on the South end of the cup than on the north end.	
5.6	Both ends of the skewer are placed about one inch up from the bottom of the cup (see model)	
5.7	Skewer has a Corn Starch packing letter "O" on it in the inside of the cup	
5.8	The skewer does NOT pierce through the packing letter "O", meaning the skewer goes through the middle of the "O" so it does not need to pierce the letter at all (see model)	

TOTAL: _____ / 46