

The Power of Collaboration

Title: Paper Plane Challenge

Skill focus (gender based difference): Communication, Assertiveness

Description:

The goal of this challenge is to show gender differences in assertiveness during communication. A group of five team members must work together to build as many paper planes as they can with the same design using the material provided. In phase two, they need to test the planes that have already been built. The team must work together in their different roles to build as many paper planes as they can and to ensure that it's an effective design that will fly for a longer distance.

Supporting Material:

1. Scissors
2. Plain A4 papers
3. Colored stickers
4. Paper clips
5. Instruction slides, as well as takeaway messages that show the difference between how men and women communicate
6. Excel sheet to calculate the winner
7. Timer
8. Red and Green stickers, for group setup distribution
9. Voting buttons

Group set up:

100 Attendees: 20 tables: 5 per table

Gender breakdown Table:

Table No.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
Men	0	4	3	5	1	3	2	1	2	0	5	4	0	5	4	1	0	4	5	1
Women	5	1	2	0	4	2	3	4	3	5	0	1	5	0	1	4	5	1	0	4
Leader	W	M	M	M	W	M	W	W	W	W	M	M	W	M	M	W	W	M	M	W

Instructions:

There are two phases in this challenge:

1. On the tables, place green stickers for women and red stickers for men, based on the distribution in the above table.
2. Once people start arriving instruct the women to sit at seats marked with a green sticker, and men to sit at seats marked with a red sticker.
3. If there are tables that are missing, ask people to complete the tables in order for each team to have eight participants. Once everyone is seated, the facilitator can start.
4. At each table, pens should be taped under the seat of the team leader, to be announced during the presentation, based on table distribution.
5. Explain the objective to the participants.
6. Explain and list the supplies, confirm that each table has what they need.
7. Explain the rules.

Phase 1:

1. Start phase one of the challenge and time them – 12 minutes
2. Judges are each responsible for tables assigned to them (four tables each). They should be walking and looking around, and have sheets that have
 - a. Table numbers
 - b. Gender break down
 - c. Leader gender
3. While people are working, judges take the gender mix at the table and update the Excel sheet, if necessary.
4. When time is done, judges will go around to their assigned tables and do a quick check
 - a. Count the number of planes
 - b. Check overall consistency of design (each one has a paper clip, each one has a logo, same shape, logo is placed in the same place etc...)
 - c. Scoring
5. The Excel sheet will calculate the results and should be displayed on screen.

Phase 1 rules:

- All planes must be consistent in term of design (each one has a paper clip, each one has a logo, same shape, logo is placed in the same place etc...)

Phase 2:

1. The teams should test their planes' flight ability, ten planes at a time (while people are testing the flight we enter the number of planes and consistency in the Excel sheet).

Time break down:

Action	Time (minutes)
1. Presentation and intro	10
2. Paper plane challenge	est. 40
Total	50

How we decide who wins points

Phase 1:

Action	Points
Number of planes (the number is entered and multiplied by 2)	2 x number of planes
Consistency (larger weight given to consistency)	Different → no points Same → 6 points

Phase 2:

Quadrants are 1 meter apart.

Action – if plane lands in:	Points
1st quadrant	3 points
2nd quadrant	6 points
3rd quadrant	9 points
4th quadrant	12 points
Furthest plane	extra 5 points

Volunteers roles:

No	Action	Volunteer Role	Note
1	Before we start	Make sure that your tables are consistent with the gender breakdown table in terms of the following a. Table numbers b. Gender break down c. Leader gender	
2	After facilitator explains instructions	Ensure everyone at the table understands what they need to do in phase 1. (just build paper planes that have the same design)	
3		Gives each team one set of materials	Do not give them the equipment before the facilitator gives the signal, in the past they always start and don't listen.
4	At the end of phase 1 facilitator asks the teams to stop	Make sure your team stops making paper planes	
5	Points calculation	Go around your tables and do a quick check: a. Count the number of planes b. Check overall consistency of design (each one has a paper clip, each one has a logo, same shape, logo is placed in the same place etc...) c. Scoring	
6	Facilitator explains phase 2	Ten test planes fly at a time ; while people are testing the flight we enter the number of planes and consistency in the Excel sheet	
7	After the session ends	Add up the points per table and fill up attached sheet	
8	Winning team announced	Go up to the front and be in	

		the picture with them	
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Thank you for your help 😊

Scoring sheet:

Team Number: _____

Phase 1:

Action	Points
2 points for each plane. So the number is entered and multiplied by 2	2 x number of planes
Consistency: (to give a bigger weight on consistency)	Different → no points Same → 6 points

Phase 2:

Action – if plane lands in:	Points
1st quadrant	3 points
2nd quadrant	6 points
3rd quadrant	9 points
4th quadrant	12 points
Furthest plane	extra 5 points

Total	
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