

Across the Gap

Challenge: Your TASK is to move balls across a gap.

Time: You will have 8 minutes to use your IMAGINATION to build devices, structures, and/or vehicles and practice moving the balls, and then 1 more minute to move the balls for score.

Setup: There are 2 tables separated by a gap and there is a set of materials. The tables may not be moved at any time.

- Part 1 (8 minutes): Using only the materials provided, build your devices, structures, and/or vehicles. You may also practice moving the balls during this time.
- Part 2 (1 minute): Move the balls from Table 1 to Table 2 so that the balls leave from behind the edge of the gap on Table 1, cross the gap to Table 2, and then stay on Table 2. Team members must remain behind the edge of the gap on Table 1 while moving a ball for score. If a ball falls on the floor once it has started across the gap, it may be retrieved and used again for score. Only the balls that are on Table 2 at the end of Part 2 will count for score.

Materials:

2 paper plates	2 pencils
1 foot tape	2 sheets of paper
8 paper clips	1 envelope
4 straws	1 sheet of aluminum foil
4 rubber bands	4 corks
	4 ping pong balls (may NOT be damaged)
	4 golf balls (may NOT be damaged)

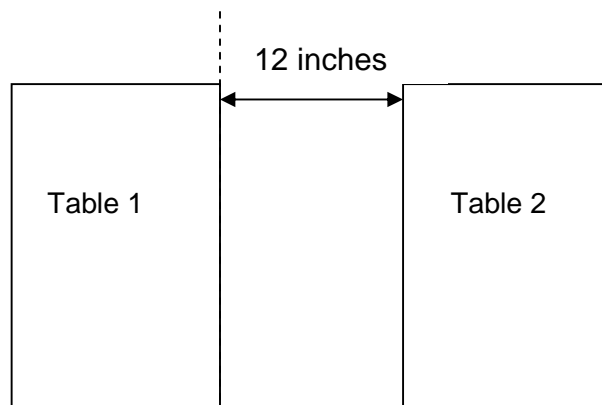
Scoring: You will receive:

- A. 10 points for each ping pong ball on Table 2 at the end of Part 2.
- B. 20 points for each golf ball on Table 2 at the end of Part 2.
- C. Up to 30 points for how creatively you use the materials.
- D. Up to 20 points for how well your team works together.

Balls Across the Gap

For Appraisers Only

Setup



Team members must remain behind this edge of Table 1 while moving the balls for score. They can move beyond the line to retrieve any errant balls as long as they are not moving balls for score.

Optional: Provide a plate or plastic container to corral the balls while not being used by the team. Make sure that the team does not use this container in their solution.