



JPL Invention Challenge 2014

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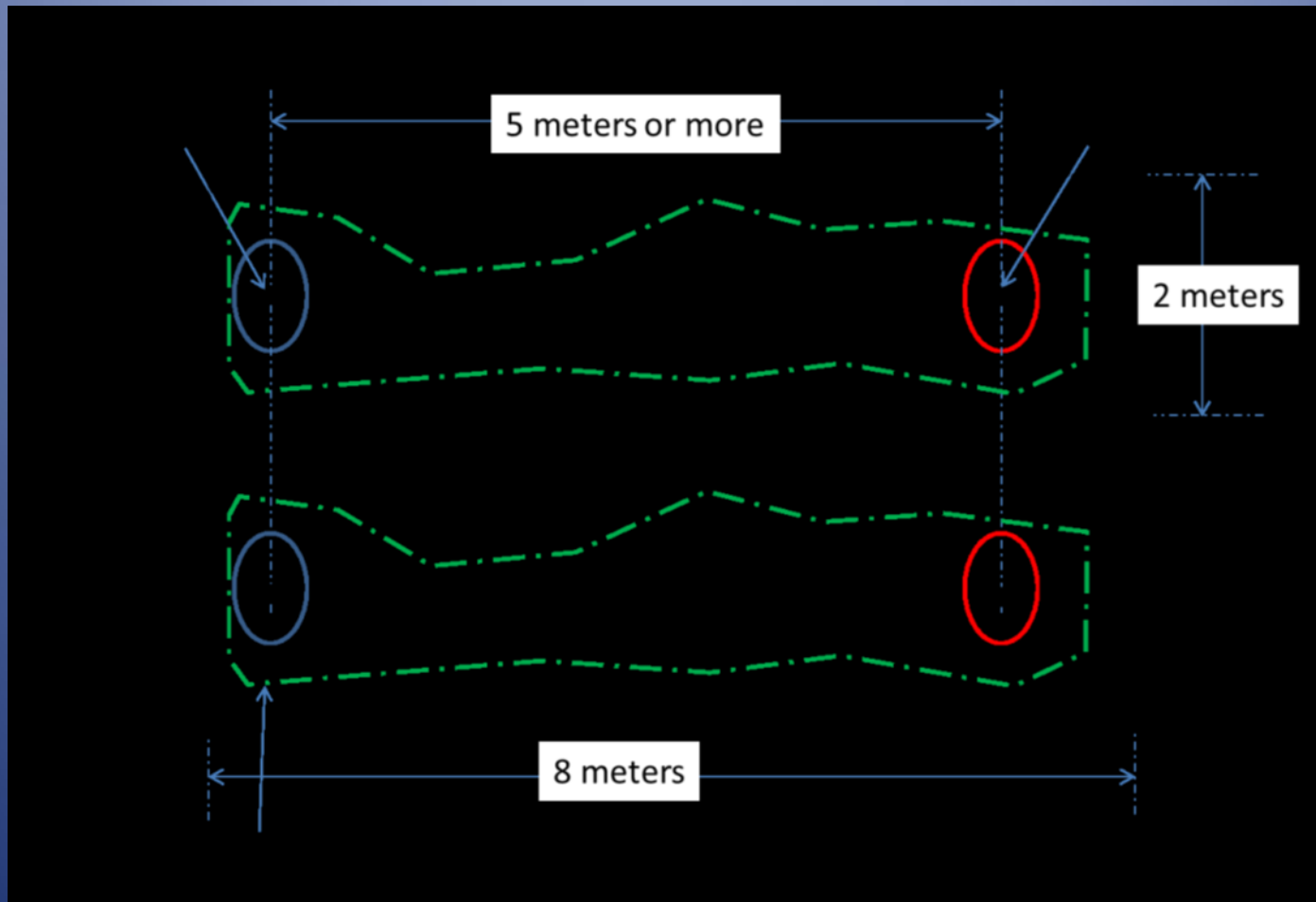
Goals

- Move Billiard ball 5 Meters
- Ball must move for 20 seconds
- Ball must trigger a sound making mechanism
- Sound must be heard at 80db 3 meters away
- Winner determined by the team that's device completes the challenge closest to 20 seconds

Device Requirements

- Must utilize 3 modes of transportation from three defined category's
- Category A: Springs/Surgical tubing(bungee)
- Category B: Gravity
- Category C: Other Means i.e. High pressure air, Motors etc. (No potentially harmful explosives ☹)

The Field



Problems We Will Face

- Off level ground
- Timing of the ball may be thrown off if we end up on a slope