

## Engineering Two Problem Solving and Design Process Activity

Problem: Design a device to travel a distance of 10'-0" and capture the 10 beans from the balloon. See diagram below.

Criteria:

1. The device must be self contained.
2. You may use any material you desire.
3. The device must be under its own power.
4. The device must be under its own guidance system.
5. No person can touch the device inside the 10'-0" area.
6. You must capture the beans **out of** the balloon.
7. You can not use any radio frequency or infrared devices.

