



KVSOP Bertini / Knox
STEAM: Superhero Night
Guardians of the Galaxy

Name _____

Date _____

WHAT IS YOUR CHALLENGE:

Can you create and build the fast balloon rocket on a 8ft fishing line track using the materials

provided?

Criteria of this challenge:

- Assorted balloons (different sizes and shapes)
- Spool of fishing line
- Straws
- Painters tape (frog tape works well)
- OPEN space (a hallway works the best)
- Two chairs to secure track to (make sure actual length of track is the same).
- iPad for timer

Constraints of this challenge:

- You must only use the supplies provided.
- Experiment with different techniques for tying the balloon and practice the release of rocket on a "practice track."

Data Results:

Rocket	Time (secs)	Distance(8ft)	Speed $S=d/t$

