

Name: _____ Date: _____ (mm/dd/yyyy)

Criterion A - Strand A.2 – Identify and Prioritize the Research

Drop Height = 200 cm

Trial	Group	Helicopter Name	Time Aloft (sec)	Accuracy - Distance from Target Center to Furthest Part of Helicopter (cm)	Student Notes
1	Boys	rock star	2.87	19	rotors
2	Boys	Fox flier	2.87	24	nothing
3	Boys	regular Marcus	2.64	11	nothing
4	Boys	seperoth	2.51	19	base short
5	Boys	sparky	2.33	26	nothing
6	Boys	tom nke	2.32	41	fat rotors
7	Boys	zucker	2.31	41	base wider
8	Boys	timmy	2.2	35	base wide
9	Boys	staple	2.08	56	stabilizer is not folded
10	Girls	Pot	2.05	19	Long wings
11	Boys	shrek's beans	2.02	31	no folded stabilize
12	Boys	star fox	2	29	stabilizer
13	Boys	star wolf	1.87	11	stabilizer
14	Boys	kaoozoooe	1.71	35	rotors
15	Girls	Hot potato	1.7	20	Close, Long wings
16	Boys	gumball	1.65	15	base folded
17	Girls	Dream Stalker	1.54	28	Standard
18	Girls	A	1.44	18	Long Roder
19	Girls	helicopter	1.33	26	Fast
20	Girls	Quick	1.05	30	Short wing
21	Girls	Best boi	0.94	13	Short wing, close,FAST
		Average	1.97 sec	26.05 cm	

1. Which paper helicopter prototypes stay aloft for as long as possible and descend as straight down as possible?

2. Explain your thinking to justify your answer to question #1.

3. What are the characteristics of the prototypes that stay aloft for as long as possible and descend as straight down as possible?

4. Do we need more trail data before the official test in Criterion D? Why or why not?