

Vocabulary: Terms to Know: Add a memory note to 10+

1)	Bernoulli's Principle	(())1) Desig
2)	center of gravity	collaborate
3)	constraint	best design f
4)	criteria	variable o
5)	Design: To create for a particular purpose or effect (v); the graphic format of a creation (n).	a) O-loo
6)	drag	b) O-loo
7)	durability	c) fusela
8)	Engineering: The application of scientific and mathematical principles to practical (useful) ends such as the	d) cargo
	design, manufacture, and operation of efficient and economical structures, machines, processes, and systems.	
9)	evaluation	2) Redesign
10)	evolve	determin
11)	gravity	evaluate
12)	lift	demo
13)	priority	To fly a
14)	rationale	Hold the straw in the middle wit similar to how you migh
15)	solution	lf
16)	thrust	3) Design,
17)	trade-off	demonstra
18)	viable	Wonderful "Co
19)	weight (vs. mass)	0-

Objective:

()1) Design, evaluate, collaborate and select the best design for your assigned variable of (circle yours):

- a) O-loop width,
- b) O-loop length,
- c) fuselage length,
- d) cargo placement

2) Redesign using the class determined variables, evaluate, select and demonstrate.

Did the straw in the middle with the hoops on top and throw it in the air similar to how you might throw a dart, angled slightly up.

f Time:

3) Design, evaluate and demonstrate a Weird and Nonderful "Concept Multi-Wing O-Wing"