**Drone Test results:**

Test # 1: “Control” no weight

Went up all the way to the max with no resistance. Broke the maximum line at 58% power. We had take off at only 11%. At about 35% (also at 24in) it went from a slow rise to a take off all the way to the top.

Test # 2: “Weight w/ standard motor” [172.29grams]

There was no take off until 33% power and at 50% it was at 32in in height. At 75% it was at 52in. The drone finally maxed out at 70in. There was a lot of resistance this time and the drone was shakey due to the weight attached to the bottom of the drone. After take off there was also no massive jump it was steady climbing all the way to the maximum point.

Test # 3: “Weight w/ new motor” [172.29grams]

We had take off at 29% power and we had some resistance at 35% but after about 45% it was smooth sailing the rest of the way. At 50% we were at 39in and at 75% we were at 58in. At 89% power we broke the maximum line. Other than a slow down between 35 and 45 percent there was no resistance at all.

**Objects: NOTE: Every Dash is 2 in**

Blue Bucket: 16.47 Grams

String w/ tape: 1.02 Grams

1 quarter: 5.79 Grams

2 medallions: 41.28 Grams

“Bu” Gold Block: 67.50 Grams

“Pb” Silver block: 87.30 Grams

**Zones:**

18 in

36 in

54 in

72 in