

Austin November 25, 2014

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What do you know (based on your experiments)?

I know that the medium sized plane (8.5x14) with two folds flew the best.

The large planes didn't fly very far.

Also the small planes flew better than the large planes but they didn't fly farther than the medium sized plane with two folds.

What do you think you need to do to create the ultimate airplane (what do you plan to do?)

I plan to add wings to the plane so it stabilizes the plane and so it makes a smooth landing.

I'm also going to use the 8.5x14 sized paper and fold the plane three times since that plane flew the best.

What materials will you need to create this airplane?

- Paper
- Scissors (to cut out the wings)
- Staples

How will you test the airplane?

I will stand on the floor and throw the plane kind of how you would throw the normal planes but I'm going to kind of throw the plane instead of dropping it. Once it lands I'm going to measure the distance of the plane with a tape measure.

Just one flight?

What were the results?

The medium sized plane that has two folds with wings flew 163 inches. The regular medium sized plane with two folds only flew 156 inches so it seems like a plane with wings flies farther than planes that don't have wings.

Explain why you got these results?

The wings made the plane make turns and that helped the plane dodge obstacles that the regular planes couldn't dodge. The regular planes would just fly into the object and fall but the plane with wings made turns so it could get more distance.

what about weight and surface area?

Final Observations (What would you do if you had one more chance to make the ultimate circle airplane?)

If I had one more chance to make the best plane I would have the same wings but I would add more weight to the plane and I would add a tail. From what I've observed it looks like that the weight needs to be balanced in the front of the plane and back. The tail also helped other people's plane fly farther too is what I've seen. The tail helped the plane glide.