

There's an ex-plane-ation: The affect of the length of wings on how far airplanes fly

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Our project is important because it will cost less to fly planes and it is better for the environment. Planes usually cost a lot of money to make and for jet fuel, if you have improved wings you would be able to spend less money on jet fuel. Jet fuel is bad for the environment. we will be able to use less of it if planes go farther with better wings. We got model planes and customized the wings into three different sizes, large, medium, and small. We tested the planes to see which size plane wing flies the farthest. The plane wing size that went the farthest should be the wing size that we use for real planes because it will be more efficient, cost less, and be better for the environment. We launched each size wing 6 times and we found that the average distance of the long plane wings was 244 inches, the average distance of the medium wings was 136 inches, and the average distance of the short wings was 165.5 inches. Overall, the long plane wings are the best for real planes because planes with longer wings fly farther so less money will be used for jet fuel.

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