

Project Make, Wednesday 10/21/20 task: Paper Airplane Distance Trials

Make a paper airplane that you think will fly far. (Feel free to use the Internet for interesting design ideas.) You are aiming for a plane that flies straight and far. You may use binder paper, newspaper, or any paper you have on hand (no restriction on size.)

Find a place where you can safely fly your plane, preferably outside, but everyone's situation is different. Mark or make note of where you are standing. Throw the plane, trying to make it go as far as you can. Measure the distance from your starting point to where the plane landed using "paces", that is consistent steps made by you (everyone's paces will be different, that is OK.) Write down how far the plane went down to the nearest half pace (for example, 8.5 paces, or 3 paces, whatever your plane did.) Go back to the starting spot, and try again. Again, write down how far your plane went. Do 10 flights and 10 measurements of paces.

If you do a few flights and it's not going well, you can optionally take a break, go back inside, and build a new plane. If you do this, just do 10 new flights and 10 new distance measurements. If you live with someone who wants to turn this into a contest, go for it.

When you are done flying, come back inside, and open the Google Sheet for this assignment. Enter your distances in the spaces provided. The sheet automatically does an average for you. (It adds up all the values and divides by how many values there are.) We'll compare numbers next class for fun.

If you figured out anything important about how to make a paper airplane fly straight and far, enter that too (this part is optional).

Hope you had some fun. See you next class on the Zoom.