



Name and date

Make a paper plane and see how far you can fly it!

Follow what Cath shows you to make your paper plane. Make sure that the edges are straight and that you have sharp folds. Decorate your plane and write your name on it.

Now to test it!

Stand on the stage and see how far you can make your plane fly. Do some practice times and fill in the results here:

My plane flew the furthest on the time I flew it.

My plane flew further when I pointed it...

Upwards

Downwards

Horizontally

My plane flew further when I threw it...

Hard

Medium

Did your plane glide when it landed?

Yes

No

Now we are going to have a race-off. The plane that goes the furthest including gliding on the floor will win. Good luck!

Where did you come?

I came

Hooray!!

Boo!!



Now put Clarence in your plane and see how far you can fly it without Clarence falling out!

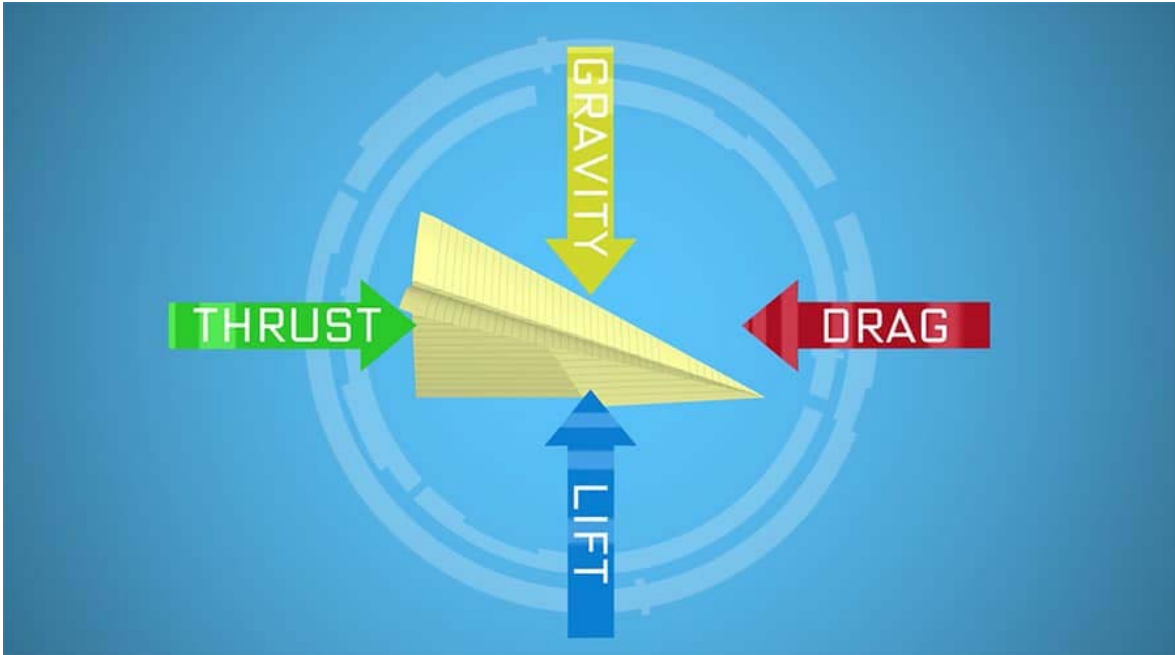
Was it easier or more difficult to fly your plane once Clarence was in it?

Easier

More difficult

The same

The engineering stuff!



There are four forces acting on your paper plane. Forces are just pushes and pulls in a particular direction

Thrust is the force with which you throw it. It pushes your paper plane forward.

Drag is the force acting against it. It stops your paper plane going forward.

Gravity is the force pulling it down to the ground.

Lift is the force pushing it up, meaning it will fly for longer.