

Paper Airplanes

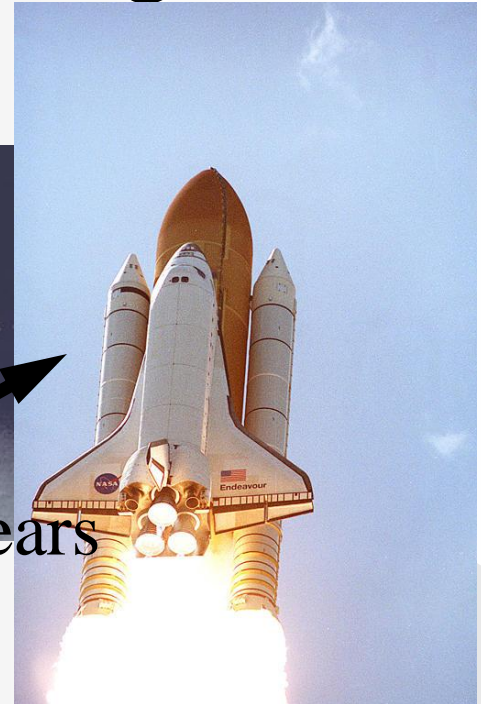
What a paper plane is??????

Is it a child's play?

Is it an Art?????

Is it a technique??

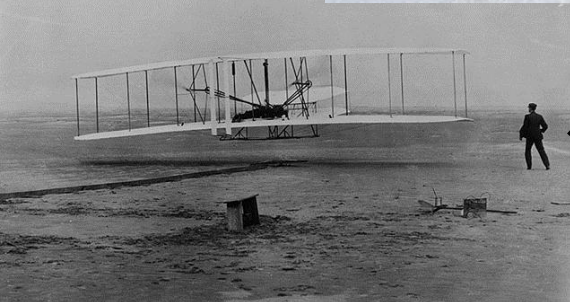
100 Years of Flight



34 Years



20 Years



24 Years

What makes a paper airplane fly?

- What makes a paper airplane fly?

Air — the stuff that's all around you.

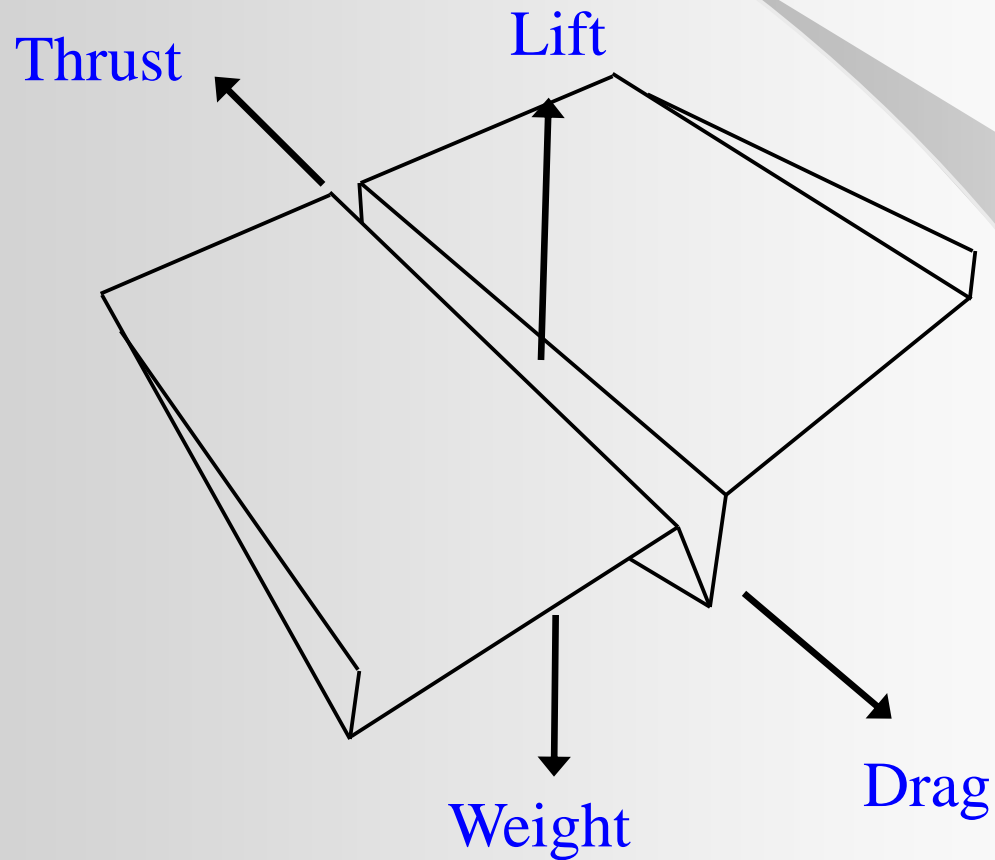
How easily an airplane moves through the air, or its aerodynamics, is the first consideration in making an airplane fly for a long distance.

Aerodynamics

- If you want your plane to fly as far as possible, you want a plane with as little drag as possible.
- You need to keep your plane's weight to a minimum to help fight against gravity's pull to the ground.



Forces Of Flight



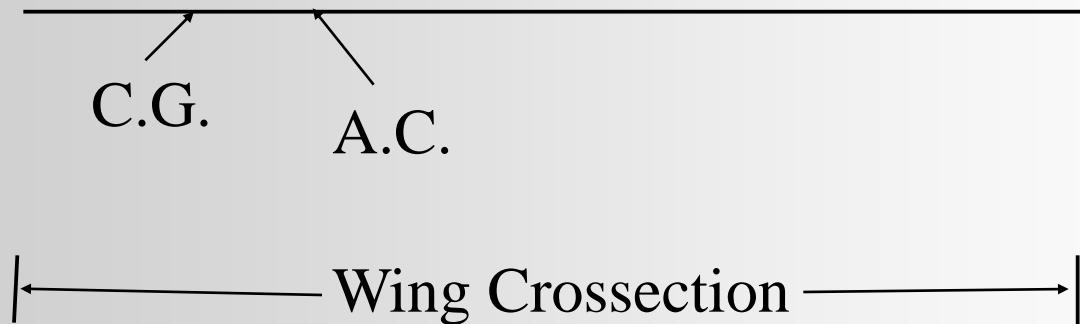
- Long flights come when these four forces — drag, gravity, thrust, and lift — are balanced.

2 important terms:

- 1)Centre of gravity
- 2)Aerodynamic Centre – the point where the entire lift acts.
- AC is approximately at a distance of $1/4^{\text{th}}$ of the wing from the front.

Important info:

A plane is stable if the center of gravity is before the aerodynamic center.



How would you move the C.G.???

- Fold the sheet from front.
- Use some clips to move the C.G.

- So, these should be enough for you to make a paper plane.
- In addition to these, 1 more important source of info is GOOGLE .. Yes, google plays a very important role in Aeromodelling!!

- Hope to see you all in tomorrow's competition

