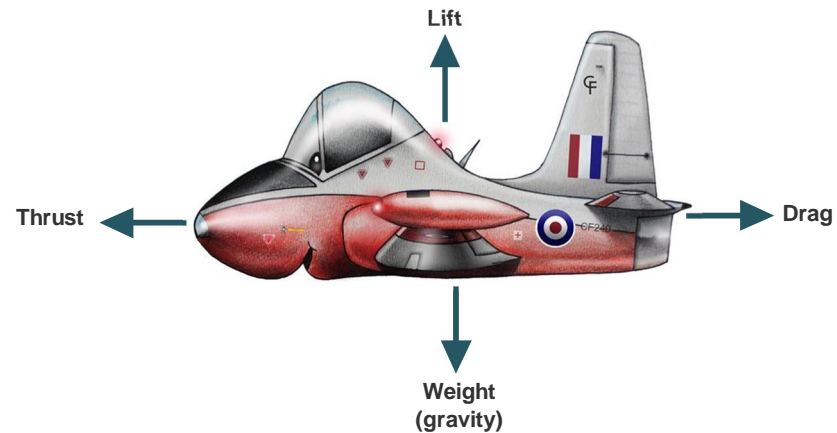


# How Planes Really Fly

## Forces acting on an airplane

There are four forces acting on an airplane during flight. The four forces are: Lift, Weight, Thrust, and Drag.



**Lift:** Is produced because of the shape of the airplane's wings. The wings are made so that air flowing over the top has to travel further and faster than the air underneath, this creates what is known as lift. Lift opposes the force of gravity and allows the plane to climb up into the sky.

**Weight:** Weight (gravity) forces the airplane downwards.

**Thrust:** Is the power produced by the aircraft's engine.

**Drag:** Drag is created by an object (aircraft) which prevents the air from flowing freely.

