



HOW DOES AN AIRPLANE FLY?

1 Cut a thin strip of paper



2 Hold the paper to your bottom lip

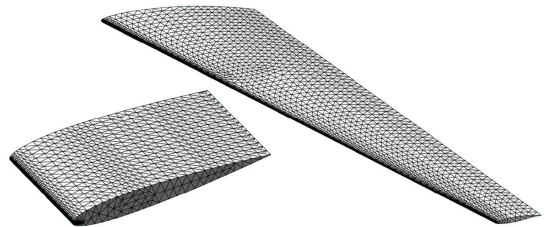


3 Blow over the top of the paper to move the air



HOW DOES LIFT WORK?

Aircraft wings have a special shape (called an airfoil) that when moved through the air at certain angles, forces the air on top of the wing to move faster than the air on the bottom. As air moves faster over a surface, the pressure on the surface decreases. When there is less pressure on the top of the wing than on the bottom, that creates lift and pushes the aircraft up.



THERE ARE **4** FORCES THAT ACT ON AN AIRPLANE

THRUST moves the aircraft forward.

DRAG is the resistant force that slows down an aircraft.

WEIGHT is the combination of gravity and the aircraft's mass that pulls it down.

LIFT is the force that enables the aircraft to fly.