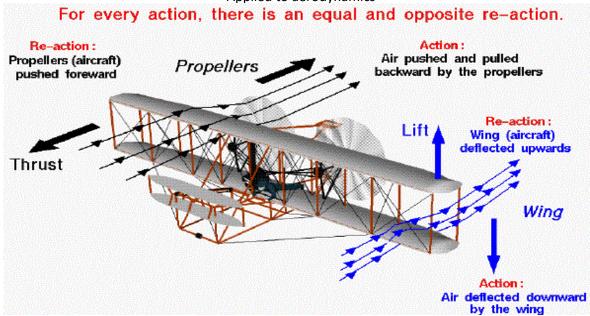
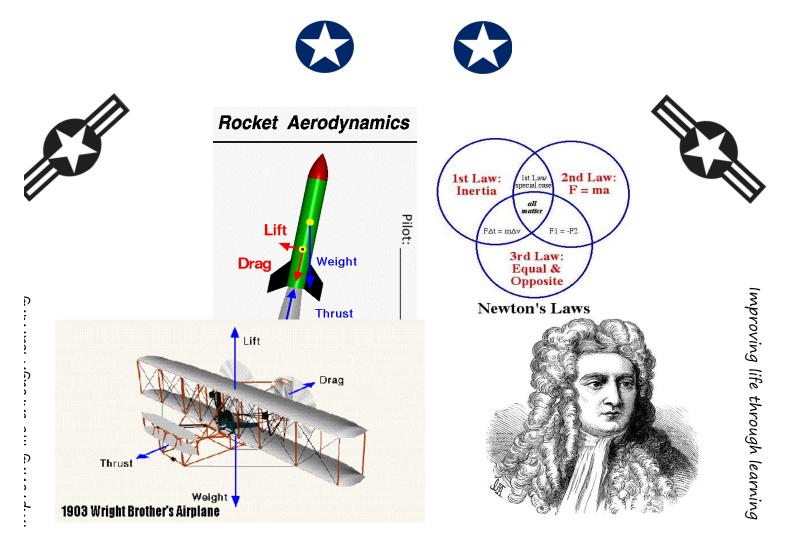
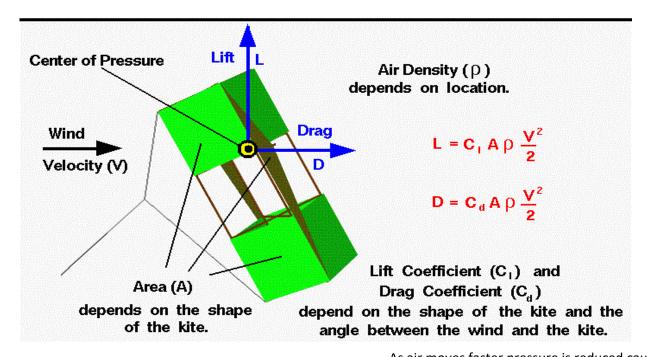
"Every object persists in its state of rest or uniform motion in a straight line unless it is compelled to change that state by force impresses on it" "Force is equal to the change in momentum (mV) per change in time. (For constant mass, force equals mass times acceleration, F = m a)"

Newton's Third Law

Applied to aerodynamics







As air moves faster pressure is reduced causing a low pressure area (lift) over the wing which is less than atmospheric pressure.

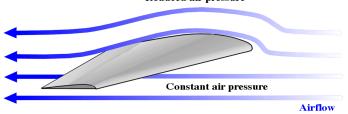
Reduced air pressure

Air moving over the wing has greater distance to travel and therefore must move faster

Constant air pressure

Pressure is equal to atmospheric





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