



Year 5 Forces: Sticky Knowledge Mat Summer 1

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Sticky Knowledge about Forces

Any kind of force is either a push or a pull.

Friction is when two objects rub against each other and one can slow down the other.

Gravity is the pulling force acting between Earth and a falling object.

Air resistance is the force on an object moving through the air. It can affect how fast or slow an object moves.

Water resistance is the force on objects floating on or moving through the water.

Levers, gears and pulleys are mechanisms that allow a smaller force to have a greater effect.

Subject Specific Vocabulary

friction	A force between two surfaces sliding over each other
gravity	A force which tries to pull two objects towards each other
air resistance	Friction between air and another material.
water resistance	Friction between water and another material
mechanism	A piece of machinery which has moving parts that perform a function.
lever	A long rigid body which can move larger objects.
gear	Wheels with teeth that mesh together to turn another wheel.
pulley	A simple machine - a wheel on a fixed axle with a groove on the edge to guide a cable to lift heavy objects
Galileo Galilei Isaac Newton	Scientists who helped develop the theory of gravity.

