

PRIOR KNOWLEDGE

Know that magnetism is a non-contact force.
Know the effect of friction.
Know who **William Gilbert** was and what he did.

KEY SKILLS

Take measurements
Use a range of scientific equipment, with increasing accuracy
Take repeat readings when appropriate eg newton meter to test strength

KEY KNOWLEDGE

Know the effect of air and water resistance.
Know gravity is a force and its effect.
Know levers, gears and pulleys increase a force.
Know about what **Isaac Newton** did.

KEY VOCABULARY

Prior

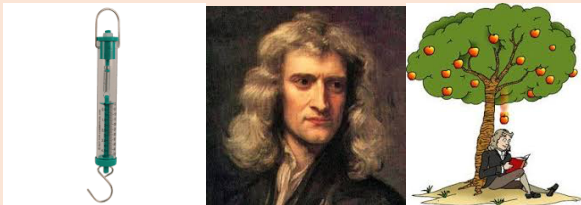
repel
attract
force
magnetic poles
friction
physics

New

resistance
mechanism
gravity
gears
pulleys
levers
newtons

GRAVITY FRICTION AIR RESISTANCE BUOYANCY/UPTHRUST MAGNETISM

Key Scientist



Sir Isaac Newton

Websites

- <https://www.dkfindout.com/uk/science/forces-and-motion/what-is-force/>
- <https://bpes.bp.com/super-scientists-isaac-newton-primary>
- <https://www.bbc.co.uk/bitesize/topics/znmmn39>

