



Progression

Science - Physics - Forces

Year 1 - Year 6

Year 1
Year 2
Year 3
compare how things move on different surfaces (friction)
notice that some forces need contact between 2 objects, but magnetic forces can act at a distance
observe how magnets attract or repel each other and attract some materials and not others
compare and group together a variety of everyday materials on the basis of whether they are attracted to a magnet, and identify some magnetic materials
describe magnets as having 2 poles
predict whether 2 magnets will attract or repel each other, depending on which poles are facing
Year 4
Year 5
explain that unsupported objects fall towards the Earth because of the force of gravity acting between the Earth and the falling object
identify the effects of air resistance, water resistance and friction, that act between moving surfaces
recognise that some mechanisms including levers, pulleys and gears allow a smaller force to have a greater effect
Year 6