

National Curriculum Objectives

Forces and Magnets Y3

compare how things move on different surfaces

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

Forces Y5

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