

Forces Progression – New Curriculum

Year 2

Forces and motion

Pupils should be taught to:

- describe how things move at different speeds, speed up and slow down, using simple comparisons, comparative vocabulary and superlative vocabulary.

Year 3

Forces and magnets

Pupils should be taught to:

- explore and discuss how a push or a pull is exerted by something and acts on something else
- describe how some forces are made by contact (pushing, pulling) while others act at a distance (e.g. gravity and magnets)
- explain how gravity pulls things down, and that on the Earth's surface, we are supported by a contact force with the ground
- describe the use of magnets in familiar objects
- explain that magnets attract magnetic materials; that magnets work through, e.g. cardboard
- make a magnet.

Year 5

Forces

Pupils should be taught to:

- compare and give reasons, based on testing, for how forces, including gravity, friction, air and water resistance, affect the movement of a variety of objects
- explain, through observation, that forces push and pull objects, making them change shape, and that there is always something doing the pushing or pulling either by contact or at a distance
- explain that drag forces tend to slow things down, including air resistance and, to a greater extent, resistance in liquids
- measure the size of a force.

Year 6

Forces

Pupils should be taught to:

- explain the idea of speed
- determine the distance travelled based on the speed and time of travel.