

# Year 3 – Autumn 1

## Physics

### Forces and Magnets

#### We are learning about:

- **magnetic and non-magnetic materials**

(to be able to 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.)

- **factors that can influence forces**

(to be able to compare how things move on different surfaces. To understand that magnets have poles and to be able to predict whether two magnets will attract or repel each other, depending on which poles are facing. To be able to notice that some forces need contact between two objects, but magnetic forces can act at a distance.)

#### We are learning to:

- **make careful observations**

(to be able to make systematic and careful observations.)

- **set up a fair test**

(to be able to set up a simple fair-test. B – with support)

- **record our findings** (to be able to record findings in a bar chart.)

- **say what our results show**

(to be able to use results to draw simple conclusions. To be able to provide an oral (B), pictorial (M) or written explanation (E) of findings.

**Vocabulary:** surfaces, magnetic forces, attract or repel