

SCIENCE: FORCES – FRICTION AND MAGNETS

Key Vocabulary

contact: touching

pendulum: a weight hanging from a fixed point which swings backwards and forwards

pull/pulling: to move toward/(noun) a move toward

push/pushing: to move away/ a move toward

rough: uneven, not smooth

slide: to slip

smooth: flat and even. not rough

Must – know knowledge

By the end of the unit, children will know:

- Identify what makes something move
- Recognise how and why a top spins differently on different surfaces
- Test how well an object slides on different surfaces
- Identify how magnets affect each other – they have a north and a south pole. Unlike poles attract and like poles repel each other
- Recognise that some metals are attracted to a magnet and are known as 'magnetic'. Other materials are not.
- Explore the strength of magnets and understand that this varies.

Working Scientifically

- Classify materials.
- Carry out comparative tests for different properties.
- Use the results of tests to suggest suitable choices for a particular purpose.

Absorbent investigation

Changeable investigation

Experiments:

To test the suitability of materials, to investigate which materials are absorbent, to explore which materials are changeable.