

Pushes and pulls

What should I already know?

- Exploration of different textures and beginning to describe how they feel e.g., bumpy, smooth.
- Exploration of building with 3D shapes including the sphere and magnetic tiles.

Key Knowledge

- Forces can be described using the words push and pull.
- When you push something, it moves away.
- When you pull something, it moves towards you.
- Objects move differently on different surfaces such as ramps.
- A high ramp may make your object move faster.
- A low ramp may make your object move slower.
- A smooth surface will help your object to move faster.
- Some objects may roll and some objects may slide.
- Some objects may spin when they are pushed and pulled.
- Some objects and toys may need stretching to move.
- When a magnet attracts an object, the object sticks to the magnet. The magnet pulls the object to it.
- When a magnet repels an object, the object does not stick to the magnet. The magnet pushes the object away.

Key Vocabulary linking to pictures in bold



push



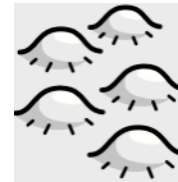
pull



smooth surface



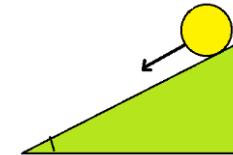
rough surface



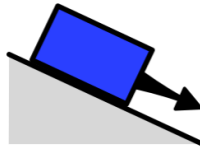
bumpy surface



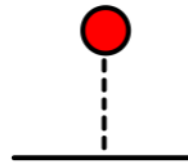
ramp



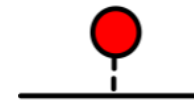
roll



slide



high



low



up



down



move



magnet

attract



magnet

repel



stretch



spin