

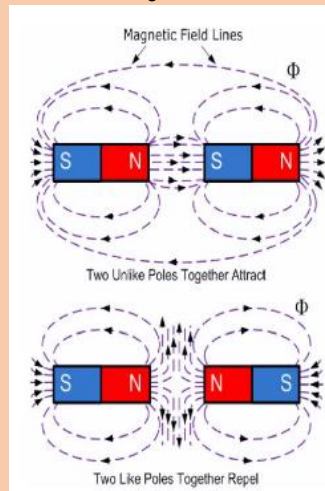
# Year 3 Forces and Magnetism- What are different forces and how do magnets work?



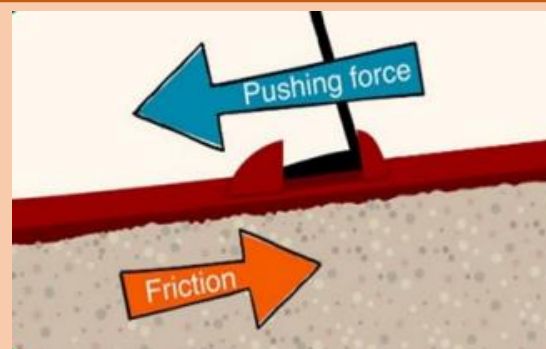
## Glossary

- Force – a push or pull. Sometimes forces cause objects to move, and sometimes forces slow, stop or change the direction of an object's motion
- Motion - movement
- Friction – a force which is the resistance of motion when one object rubs against another
- Magnetism- attractive and repulsive forces between two objects
- attract- when two objects are drawn to each other
- repel- when two objects pull away from each other

## Magnetism



## Push and Pull



## I know

- To know objects move differently on rough and smooth surfaces.
- To know objects resist movement more on rough surfaces because there is higher friction as the object moves.
- To know a force can be thought of as a push or a pull.
- To describe magnets as having two poles (north and south).
- To observe how magnets attract or repel each other and attract some materials and not others.
- To notice that some forces need contact between two objects, but magnetic forces can act at a distance.
- 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.
- To predict whether two magnets will attract or repel each other, depending on which poles are facing.