

# Forces

Year 3



## Physics

National Curriculum

Compare how things move on different surfaces. Notice that some forces need contact between two objects, but magnetic forces can act at a distance. Observe how magnets attract or repel each other and attract some materials and not others. 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. Describe magnets as having two poles. Predict whether two magnets will attract or repel each other, depending on which poles are facing.

Core Vocabulary			
attract	repel	similar	opposite
friction	pull	poles	contact
magnetic	push	north	south
magnet	fair test	prediction	conclusion

Key: Substantive Bigger picture

Glossary of key words and their meanings

attract	
repel	
friction	
magnetic	

Learning Intent Questions	Pupil	Teacher
How can we compare how things move on different surfaces?		
Why do some forces require contact between them but magnetic force can act at a		
Why do magnets attract and repel? Why do magnets attract some materials and not		
How can we compare and group different materials according to whether or not they		
Which materials are magnetic?		
How can we describe magnets according to their two poles?		
How can we use our knowledge of poles to make predictions about if magnets will		