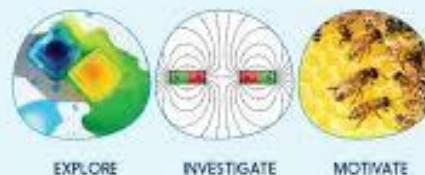


Big Question: Why do we need forces?

Exciting Books



Forces and Magnets Amazing Magnets

Year 3 Science



LQ1	What is a force? (pushes and pulls)	Sticky Knowledge. The Earth is a very big magnet. Its North and South poles are highly magnetic. A magnet always has north and south poles. Cutting a magnet in half makes two magnets, each with two poles. Magnets only attract certain types of metals, other materials such as glass, plastic and wood aren't attracted. A compass has a tiny magnet in it. <input type="checkbox"/> Magnets are objects that produce an area of magnetic force called a magnetic field. <input type="checkbox"/> Magnetic fields are invisible to the human eye. Many scientists believe that birds are able to find their way home by using the Earth's magnetic field to guide them on long distance flights.	Vocabulary Push, pull, force, magnet, friction, surface, strength, paper clip, magnetic force, poles, attraction, north, south, magnetic, non-magnetic, attract, repel.
LQ 2	How does the surface affect the speed of an object?		
LQ 3	How can we sort out this mess?		
LQ 4	How can we test the strength of a magnet?		
LQ 5	How do magnets and compasses work?		
LQ 6	Can you make a magnetic game?		
End Product	Compasses made from magnets and a game using magnets.		
Links to being previously taught.	Year 1 and 2 materials Forces in Year 5		
Cross-curricular links. English/Art	Explanation text in English Problem solving and DT project		
Character curriculum	Investigating, experimenting, discovering,		