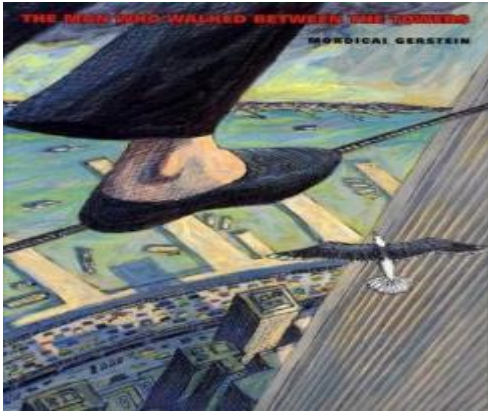


Year 3: Forces and Magnets Knowledge Mat

Subject Specific Vocabulary		Interesting Book	Sticky Knowledge about our rocks and magnets			
friction	A force that acts between two surfaces or objects that are moving.		<input type="checkbox"/> The Earth is a very big magnet. Its North and South poles are highly magnetic.			
surface	The top layer of something			<input type="checkbox"/> A magnet always has north and south poles. Cutting a magnet in half makes two magnets, each with two poles		
magnet	An object that produces a magnetic force to pull certain objects towards it.				<input type="checkbox"/> Magnets only attract certain types of metals, other materials such as glass, plastic and wood aren't attracted.	
magnetic	Objects that are attracted to a magnet are magnetic. Objects containing iron, nickel or cobalt are magnetic					<input type="checkbox"/> Forces control most of the things on our planet from walking your dog to flying an aeroplane
magnetic field	The area around a magnet which allows certain objects to be pulled towards it.					
poles	North and South poles are found at different ends of a magnet	<input type="checkbox"/> Gravity is the force that pulls everything down to earth				
repel	Repulsion is a force that pushes objects away. For example when a north pole of a magnet is placed near another north pole of a magnet, they push away from each other		<input type="checkbox"/> Pressure is another type of force that pushes down on something.			
attract	Attraction is a force that pulls objects together. For example when a north pole of a magnet is placed near a south pole of a magnet the two poles attract (pull together)			Important facts to know by the end of the Forces and Magnets topic: <ul style="list-style-type: none"> • Objects move differently on different surfaces. • Magnetic fields vary in size depending on the type of magnet. • Not all metallic objects are attracted to magnets • Different surfaces create different amounts of friction depending on the roughness of the surface and the force applied. • A force will change the motion of an object. • Magnets have two poles (North and South) 		
forces	Pushes or pulls					