

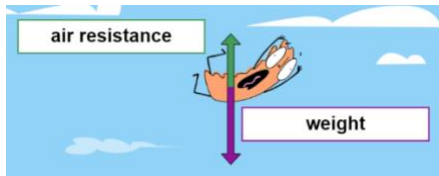
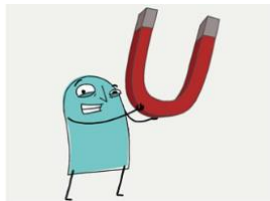
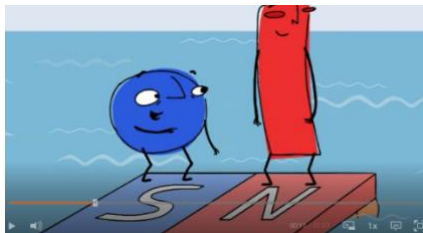
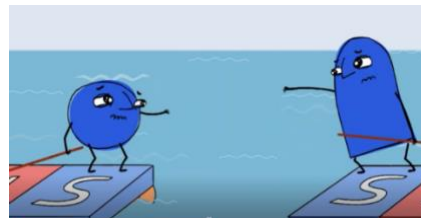


Year 3, let's learn about: Mighty Metal

Summer 2



Forces		Types of forces:		Key Scientific Vocabulary	
<p>Definition</p> <p>A force is a push or pull. Forces cannot be seen but it is possible to see what forces do. When a force is used on an object it can change how fast the object moves, the direction of the movement and/or the shape of the object.</p> <p>Forces are measured in Newtons (N) using something called a 'Force Meter'.</p>	<p>Gravity</p> <p>Gravity pulls objects towards each other. On earth gravity pulls everything downwards towards the centre of the earth. This is why everything falls on the ground when you drop it.</p> <p>Friction</p> <p>Friction is the force of 2 surfaces moving across each other. It always slows down a moving object. Frictions stops our shoes from slipping and stops car tyres from skidding.</p>	<p>Contact and non-contact forces</p> <div><p>Pull</p></div> <div><p>Push</p></div> <div></div>		<p>friction</p>	<p>A force that is created when 2 surfaces rub against each other.</p>
		<p>force</p>	<p>A force is a push or a pull. You cannot see it, but you can see what it does.</p>		
		<p>magnetic</p>	<p>A magnet is a rock or a piece of metal that can pull certain types of metal towards it.</p>		
		<p>metal</p>	<p>A solid material found in rocks.</p>		
		<p>attract - pull</p>	<p>A force that moves something towards a person, animal or object.</p>		
<p>Magnetism</p> <p>A magnet is a material that can pull certain types of metal towards it. The 2 ends of a magnet are where the forces are strongest. These are called the North pole and the South pole.</p> 	<p>If you put two magnets together with different poles pointing towards one another, the magnets will pull towards each other. We say they attract each other.</p> 	<p>If you try to put two magnets together with the same poles pointing towards one another, the magnets will push away from each other. We say they repel each other.</p> 	<p>repel - push</p>	<p>A force that moves something away from a person, animal or object.</p>	
			<p>newton</p>	<p>A unit of measure used to measure force.</p>	
			<p>conductor</p>	<p>Any materials that allow electricity to pass through.</p>	

Art

Iron Man Portraits

We will be using chalk, charcoal and pastel to represent the Iron Man.



'The Iron Man' scene composition

We will be sketching a scene from 'The Iron Man' using felt tip pens and watercolours.



Key Art Vocabulary

Wash	Using a brush to spread water or ink on a drawing
Line drawing	An image with strong, straight lines.
Sharp	Having a thin edge, or a fine point
blend	A method used to mix 2 mediums together to blur the lines
blurred	An area you can't see clearly

'The Iron Man' by Ted Hughes

Ted Hughes was an English poet and writer of children's stories. He started writing by the age of 15 and wanted to become a poet by the age of 16. His story the Iron Man was written as a bedtime story for his children. He wrote a follow-up book called 'The Iron Woman' about the importance of looking after the environment and not polluting our seas, oceans and rivers.



Design and Technology

We will be exploring what makes a successful board game before designing and creating our very own board games that use a magnet as its central feature. We will then evaluate what went well and what we would do differently next time.

