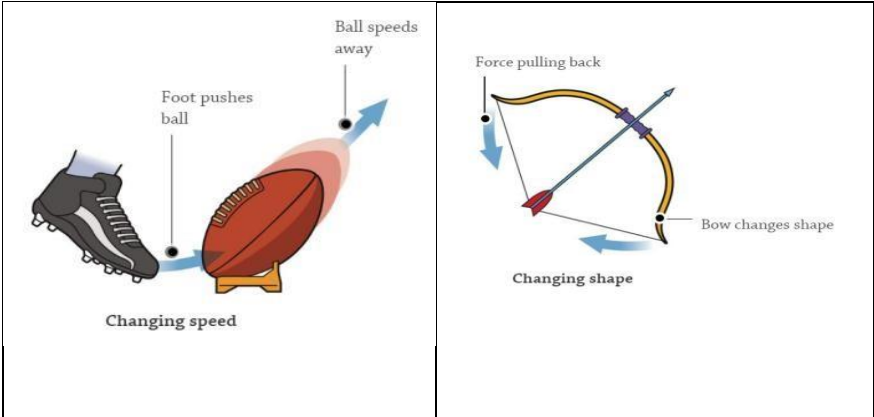
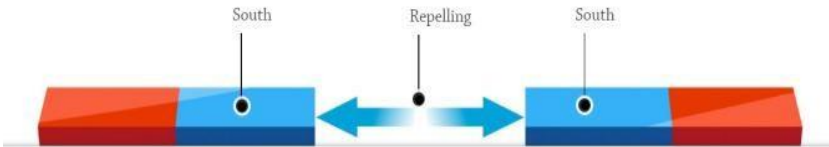
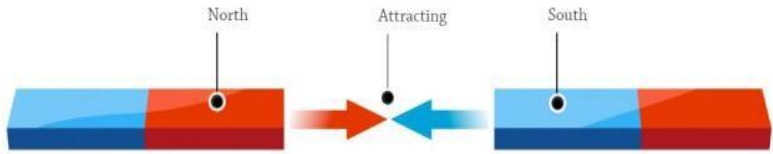


**Forces and Magnets Knowledge Organiser –  
 Year 3 Cranbourne School – Autumn 2021**

Term	Meaning
attract	<ul style="list-style-type: none"> <li>• opposite poles of a magnet pull together</li> <li>• magnets will pull some magnetic metals</li> </ul>
balanced forces	<ul style="list-style-type: none"> <li>• if forces are balanced, nothing moves</li> <li>• if forces are unbalanced, something changes</li> </ul>
force	<ul style="list-style-type: none"> <li>• a push or a pull on an object</li> </ul>
friction	<ul style="list-style-type: none"> <li>• the force causes by two materials rubbing against one another</li> </ul>
gravity	<ul style="list-style-type: none"> <li>• a natural force that pulls objects to the centre of the Earth, or other large body</li> </ul>
magnet	<ul style="list-style-type: none"> <li>• a push or pull force that works without contact</li> <li>• magnets can be found naturally in nature</li> </ul>
magnetic	<ul style="list-style-type: none"> <li>• the pulling force from a metallic object that has its particles lined up in a particular way</li> </ul>
up thrust	<ul style="list-style-type: none"> <li>• the force that pushes an object up when in liquid or when touching a solid surface</li> </ul>
repel	<ul style="list-style-type: none"> <li>• the same poles of a magnet will push apart</li> </ul>
north and south pole	<ul style="list-style-type: none"> <li>• the two opposite ends or sides of any magnet</li> </ul>



<b>Forces can make an object</b>	
	<ul style="list-style-type: none"> <li>• start moving or speed up</li> </ul>
	<ul style="list-style-type: none"> <li>• slow down or stop</li> </ul>
	<ul style="list-style-type: none"> <li>• change shape</li> </ul>
	<ul style="list-style-type: none"> <li>• change direction</li> </ul>

