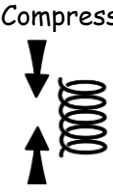
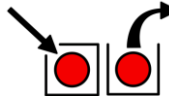









## Year 4 - Design and Technology - Pneumatics

What should I already know?	What am I going to learn in this unit?	Vocabulary I need to know	
<ul style="list-style-type: none"> <li>I can explain what a balanced diet is.</li> <li>I can explain the difference between savoury and sweet.</li> <li>I can research recipes and understand how to read if they are healthy or not.</li> <li>I can suggest 'swaps' to make an unhealthy food healthier.</li> <li>I can explain how chefs such as Jamie Oliver have campaigned to make food for children healthier.</li> <li>I can plan my 'swaps' recipe.</li> <li>I can prepare my recipe safely using the right equipment.</li> <li>I can ask questions to evaluate the taste, appearance and texture of my food.</li> <li>I can improve my recipe based on feedback.</li> <li>I can read a food label and explain whether it is healthy choice or not.</li> <li></li> </ul>	<ul style="list-style-type: none"> <li>I can explain what a pneumatic system is and that it is part of a mechanism.</li> <li>I can demonstrate how a pneumatic system forces air to create movement.</li> <li>I can name different equipment used to make a pneumatic system.</li> <li>I can communicate my design ideas using sketching and labelling.</li> <li>I can design a product which will need to support weight.</li> <li>I can create a product that meets a set design brief.</li> <li>I can accurately measure my materials to minimise wastage.</li> <li>I can evaluate and improve my design.</li> </ul>	<p>Compressed</p> 	<p>Something that is squashed such as air in a tube.</p>
		<p>Input/Output</p> 	<p>What goes in and out of a system.</p>
		<p>Pivot</p> 	<p>A point about which a lever turns.</p>
		<p>Lever</p> 	<p>A beam which turns on a point.</p>
		<p>Pneumatic</p> 	<p>A system that works using a gas (air)</p>
		<p>Pressure</p> 	<p>The force used on an object or a surface.</p>
		<p>Inflate</p> 	<p>Fill something with air or gas to make it swell up.</p>
		<p>Deflate</p> 	<p>Removing the pressurised air to allow something to go flat.</p>
		<p>Syringe</p> 	<p>A tube with a nozzle and plunger for sucking and blowing air or liquids.</p>