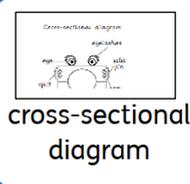
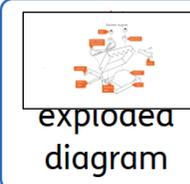
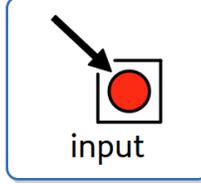
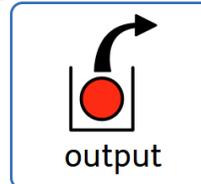
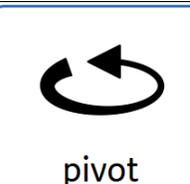
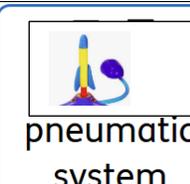
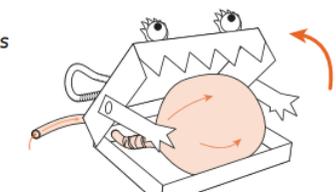
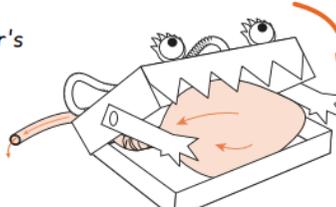


Lesson 1 Can you explore how pneumatic systems create movement within mechanisms?	Lesson 2 Can you use different types of diagrams to summarise information?	Lesson 3 Can you design a toy that uses a pneumatic system?	Lesson 4 Can you create a pneumatic system for a moving toy?	Lesson 5 Can you test and finalise ideas against design criteria?
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**Vocabulary**

 cross-sectional diagram	A drawing that shows the inside of an object like it has been cut through	 exploded diagram	A drawing that shows all parts of a product, separating them out	 input	The movement to start the mechanism
 linkage	Lengths of material joined together by pivots that move as part of the mechanism	 mechanism	A set of parts that work together to make something move	 output	The movement that happens as a result of the input
 pivot	The central point when the mechanism turns	 pneumatic system	A mechanism that uses squashed air to cause movement	<div style="display: flex; flex-direction: column; align-items: flex-end;"> <div style="margin-bottom: 10px;"> <p>When air enters the balloon, the monster's mouth opens.</p>  </div> <div> <p>When air exits the balloon, the monster's mouth closes.</p>  </div> </div>	
 sustainable	Materials that do not harm the environment	 thumbnail sketch	A simple drawing		