



Faraday Pickup

Aim	To construct an electromagnet that can pick up as many paper clips as possible.		
Materials	2 x 1.5 V cells	2 x 2 m lengths of wire	1 pair of scissors
	2 x 15 cm nails	2 m length of tape	1 pot of paper clips
Method	The electromagnet may be constructed using any method.		
Conditions	<ul style="list-style-type: none">• The electromagnet must be constructed using only the materials provided.• The scissors cannot form part of the electromagnet.• Monitored by a judge, the paper clips must be picked up from a full pot and dropped into another pot to be counted.		
Time Limit	25 minutes.		
Ranking	The ranking order will be determined by the maximum number of paper clips dropped into the second container in any single attempt and the minimum time taken to achieve this.		

Team

Result

Do not write below this line

Rank