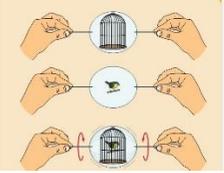
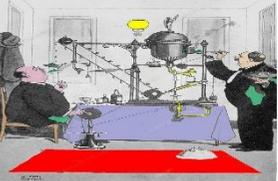


DESIGN AND TECHNOLOGY WEEK

<p>Make a Thaumatrope - the 'spinning wonder' - an example of early animation. Use the template given then create your own design.</p> 	<p>Make a moving picture - what could be passing by the porthole of a spaceship or a submarine? Use a strip of paper to draw the scenery. Pass it through the 2 slots on the window. Slide the strip along to make it look like you are moving.</p> 	<p>Design a rattlesnake egg style prank</p>  <p>Find out how to make it by following the link below: https://www.youtube.com/watch?v=q6lpz6EaQ0k</p>	<p>Construct an Egyptian Shaduf</p>  <p>A super model which shows how levers can be used in the real world. You can make a simple model with straws and modelling clay or a large one with sticks in the garden.</p>	<p>The Water Clock</p>  <p>Use plastic bottles. Water is let out slowly to indicate passage of time. This will need to be calibrated or maybe something can be floated in the bottle to act as an indicator.</p>
<p>Building Bridges.</p>  <p>Construct your own model bridge to span a gap. Carry out a test to find out how much weight it can carry. Research different style bridges and find out how they work. Design bridge top trump cards for the most impressive bridges in the world!</p>	<p>Towering Above</p>  <p>How tall a tower can you make? You can use construction equipment, found objects or junk modelling materials. How are you going to keep your tower steady? What is a flying buttress? Research the history of sky scrapers. Make sky scraper top trump cards.</p>	<p>Food Tech Challenge</p> <p>Can you help to prepare a dish for your family? It could be sweet or savoury. Can you try some food which you have never eaten before?</p>  <p>https://www.bbc.co.uk/cbeebies/shows/my-world-kitchen</p>	<p>Marble Run or Roller Coaster</p>  <p>Only a marble and some cardboard is needed. Create a marble run. Make tracks from strips of cardboard or fold card strips into a 'v' shape to stop the marble from coming off the track. Could be in a box or around a room (the marble could go into and come out of tubes during its journey). The rough side of corrugated cardboard or the angle of the track may be used to slow the speed.</p>	<p>Rube Goldberg Machine</p> <p>A machine which works on the principle of cause and effect - one thing starts the reaction, makes something else move and so on. You can use the marble run machine as the start of this if you wish.</p> 
<p>Heath Robinson Design</p>  <p>Can you draw a completely silly and pointless machine in the style of Heath Robinson? This one is a machine to get a pea into the diner's mouth!</p>	<p>Design and build a boat</p>  <p>It doesn't have to be complicated! How much weight can it carry? Can you make it move?</p>	<p>Design a Logo</p>  <p>Here is your chance to shine as a graphic designer and to invent a new logo for a real or imaginary company. Make it bold, make it colourful, make it memorable...make it big in the advertising industry!</p>	<p>Make a Diorama</p>  <p>Make a model or a scene in a box, It can be based on any theme which you like. If you are careful you can get a sense of perspective by making the things in the distance smaller!</p>	<p>Zip line For Barbie, teddy or an action figure</p>  <p>Can you make an exciting zip-line ride for your toy? Be very careful if you are starting up high! A bent paperclip could be used as the 'slider' to go over the cord or string.</p>