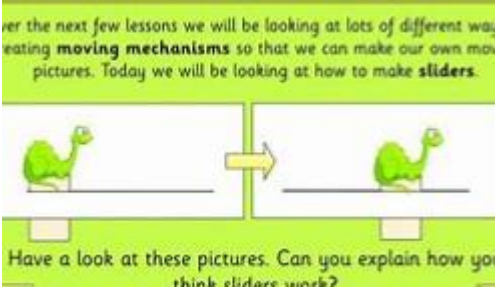


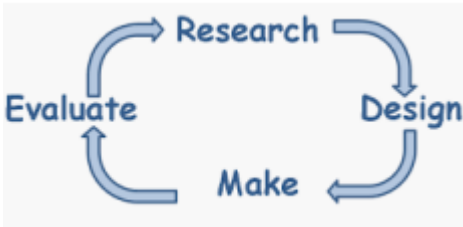
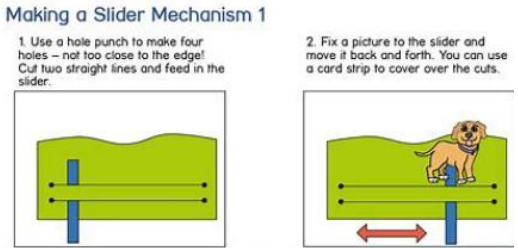


Hapton CE Methodist Primary School - Year 1 Autumn 2 Knowledge Organiser

Design & Technology - Moving Picture

I will lift up my eyes to the hills, where does my help come from? My help comes from the Lord, the maker of heaven and earth."

Psalm 121 v 1-2

<p style="text-align: center;">What should I know ...</p> <p>How to create simple representations of events, people and objects • How to construct with a purpose in mind, using a variety of resources • How to select and use simple tools and techniques to shape, assemble and join materials</p> <div style="border: 1px solid black; padding: 5px; margin: 5px 0;"> <p>Over the next few lessons we will be looking at lots of different ways of creating moving mechanisms so that we can make our own moving pictures. Today we will be looking at how to make sliders.</p>  <p>Have a look at these pictures. Can you explain how you think sliders work?</p> </div>	<p style="text-align: center;">I will be taught facts on...</p> <p>What a mechanism is. • Which mechanisms are used in the design of a fire engine. • Why these mechanisms are used and how effective they are. • How structures can be made stronger, stiffer and more stable</p> <div style="text-align: center; margin: 10px 0;">  </div>	<p style="text-align: center;">Key Questions ...</p> <ul style="list-style-type: none"> • Product - what could we make? • Purpose - what is it for? • User - who is going to use it? • What movement does this lever make? • What happens if I change the length? Position? Size? Shape? Direction? • Which lever will give me the movement I want for my fire engine or burning flames? <div style="text-align: center; margin: 10px 0;">  </div>												
<p style="text-align: center;">Key Vocabulary and Definition...</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 15%; padding: 5px;">Mechanism</td> <td style="padding: 5px;">The whole or parts of a machine, mechanical system, or device.</td> </tr> <tr> <td style="padding: 5px;">Lever</td> <td style="padding: 5px;">A basic tool used to lift or pry things open or a handle used to control or set the position of a part in a machine.</td> </tr> <tr> <td style="padding: 5px;">Structure</td> <td style="padding: 5px;">Anything that has been built.</td> </tr> <tr> <td style="padding: 5px;">Product</td> <td style="padding: 5px;">Something made by means of either human work or that of a machine.</td> </tr> <tr> <td style="padding: 5px;">Purpose</td> <td style="padding: 5px;">A reason or plan that guides an action, design or goal.</td> </tr> <tr> <td style="padding: 5px;">Position</td> <td style="padding: 5px;">The way something is placed or arranged</td> </tr> </table>	Mechanism	The whole or parts of a machine, mechanical system, or device.	Lever	A basic tool used to lift or pry things open or a handle used to control or set the position of a part in a machine.	Structure	Anything that has been built.	Product	Something made by means of either human work or that of a machine.	Purpose	A reason or plan that guides an action, design or goal.	Position	The way something is placed or arranged	<p style="text-align: center;">Key skills...</p> <p>Evaluating existing products • Designing a product based on existing products and their own ideas • Selecting materials for a purpose • Folding, tearing and cutting paper and card • Joining materials for a purpose • Evaluating my own and others' work</p> <div style="text-align: center; margin: 10px 0;">  </div>	<p style="text-align: center;">Web links ...</p> <p style="text-align: center;">https://www.bbc.co.uk/bitesize/topics/zr8k7ty/resources/1</p> <p>(Looking at why different materials are used for different purposes)</p> <div style="text-align: center; margin: 10px 0;">  </div>
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