





Hapton CE Methodist Primary School - Year 1 Summer 1 Knowledge Organiser

Design & Technology - Playground Structures

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

What should I know ...	I will be taught facts on...	Key Questions ...												
<p>How to use simple tools safely and appropriately • How to construct with a purpose in mind • How to choose colours for different purposes • How to select the materials I need for building and joining.</p> 	<p>That a structure needs to be stable for it to be safe and effective • How architects and designers plan a playground • That different materials are used for different purposes and products • The importance of how a product will be used in its design.</p> 	<p>Product - what piece of equipment could we make? • Purpose - how can you play on it? • User - who is going to enjoy it? • How do we make the structure stable? • How can you join the materials you are using?</p> 												
<p style="text-align: center;">Key Vocabulary and Definition...</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 20%;">Stable</td> <td>Fixed, firm, or steady in position; not shaky or easily moved.</td> </tr> <tr> <td>Structure</td> <td>Anything that has been built.</td> </tr> <tr> <td>Join</td> <td>To put, bring, or fasten together.</td> </tr> <tr> <td>Product</td> <td>Something made by means of either human work or that of a machine.</td> </tr> <tr> <td>Purpose</td> <td>A reason or plan that guides an action; design or goal.</td> </tr> <tr> <td>Construct</td> <td>To build; put together</td> </tr> </table>	Stable	Fixed, firm, or steady in position; not shaky or easily moved.	Structure	Anything that has been built.	Join	To put, bring, or fasten together.	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.	Construct	To build; put together	<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 my design • To make my structure stable • To use appropriate joins for different materials and situations e.g. glue, tape • To mark out materials to be cut using a template • To use a glue gun with close supervision • Evaluating my own and others' work</p>	<p style="text-align: center;">Web links ...</p> <p style="text-align: center;">https://www.dezeen.com/tag/playgrounds/</p> <p>At the start of this topic we will visit the playground at Hapton Park to investigate the playground structures there.</p> 
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