

The Willows Primary School



Subject Overview - Year 1 & 2 - DT STRUCTURES

Design and build a house using a range of tools, materials and components.

Term	Theme Title
Spring 1	Location Location

Knowledge and Skills Coverage
<ul style="list-style-type: none"> • Design products for others and themselves that are purposeful, functional and appealing • Generate, develop, model and communicate ideas through talking, drawing, templates and ICT • Build structures, exploring ways to stiffen, stabilise and strengthen • Select from and use a wide range of materials and components according to their characteristics • Select from and use a wide range of tools and equipment to perform practical tasks • Evaluate own ideas and designs against given design criteria • Explore and evaluate a range of existing products

Prior Knowledge	Reception It's All About Me Reception Farmyard Fun Reception How To Be A Superhero Year 1 Antarctic Adventure Year 1 Hero Hunters
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Cultural Capital Opportunities	
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Key Knowledge	Questions to measure impact
<ul style="list-style-type: none"> • Recap on knowledge of how to strengthen and stiffen materials • Use a variety of sources to develop understanding of how houses are built. • Use this information to design a house that is stiff, strong and stable • Use a range of materials (eg plasticine, junk, card, Lego, construction) to experiment and test which material is most effective • Create their house and evaluate effectiveness against design criteria 	

Key Vocabulary for Year 2	Topic Specific Vocabulary
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<p>healthy nutrition cooking evaluate design balanced varied prepare grown reared processed stabilise communicate gear components functional experiment pulley appealing represent movement purpose</p>	<p>equipment tools building stabilise stiffen strengthen materials create structure cut evaluate construct shape join design</p>
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<p>Recommended Reading</p>	
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<p>Links to future learning</p>	<p>Year 3 Lost In The Jungle Year 4 Untangling The Greeks Year 4 Building Britain Year 5 Wild, Wild World</p>
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