

Year 4 DT Autumn

<p>Fastenings</p> <p>Pavilions</p>	<ul style="list-style-type: none"> Identify the features, benefits and disadvantages of a range of fastening types. Write design criteria and design a sleeve that satisfies the criteria. Make a template for their book sleeve. Assemble their case using any stitch they are comfortable with. 	<ul style="list-style-type: none"> Produce a range of free-standing frame structures of different shapes and sizes. Design a pavilion that is strong, stable and aesthetically pleasing. Select appropriate materials and construction techniques to create a stable, free-standing frame structure. Select appropriate materials and techniques to add cladding to their pavilion.
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Spring

<p>Slingshot car</p>	<p>Work independently to produce an accurate, functioning car chassis.</p> <p>Design a shape that is suitable for the project.</p> <p>Attempt to reduce air resistance through the design of the shape.</p> <p>Produce panels that will fit the chassis and can be assembled effectively using the tabs they have designed.</p> <p>Construct car bodies effectively.</p> <p>Conduct a trial accurately and draw conclusions and improvements from the results.</p>	
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Summer

<p>Adapting a recipe</p> <p>Torches</p> <ul style="list-style-type: none"> 	<ul style="list-style-type: none"> Follow a recipe, with some support. Describe some of the features of a biscuit based on taste, smell, texture and appearance. Adapt a recipe by adding extra ingredients to it. Plan a biscuit recipe within a budget 	<ul style="list-style-type: none"> Identify electrical products and explain why they are useful. Help to make a working switch. Identify the features of a torch and how it works. Describe what makes a torch successful. Create suitable designs that fit the success criteria and their own design criteria. Create a functioning torch with a switch according to their design criteria.
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