



St Peter's Design Technology Medium term Plan 2021-22



Year 4

Spring 1 <u>Puppets</u>	Summer 2 <u>Kites</u>
<ul style="list-style-type: none">When designing and making, pupils should be taught to: Designuse research and develop design criteria to inform the design of innovative, functional, appealing products that are fit for purpose, aimed at particular individuals or groupsgenerate, develop, model and communicate their ideas through discussion, annotated sketches, cross-sectional and exploded diagrams, prototypes, pattern pieces and computer-aided designMakeselect from and use a wider range of tools and equipment to perform practical tasks [for example, cutting, shaping, joining and finishing], accuratelyselect from and use a wider range of materials and components, including construction materials, textiles and ingredients, according to their functional properties and aesthetic qualitiesEvaluateinvestigate and analyse a range of existing productsevaluate their ideas and products against their own design criteria and consider the views of others to improve their workunderstand how key events and individuals in design and technology have helped shape the world	Design <ul style="list-style-type: none">use research and develop design criteria to inform the design of innovative, functional, appealing products that are fit for purpose, aimed at particular individuals or groupsgenerate, develop, model and communicate their ideas through discussion, annotated sketches, cross-sectional and exploded diagrams, prototypes, pattern pieces and computer-aided design Make <ul style="list-style-type: none">select from and use a wider range of tools and equipment to perform practical tasks [for example, cutting, shaping, joining and finishing], accuratelyselect from and use a wider range of materials and components, including construction materials, textiles and ingredients, according to their functional properties and aesthetic qualities Evaluate <ul style="list-style-type: none">investigate and analyse a range of existing productsevaluate their ideas and products against their own design criteria and consider the views of others to improve their workunderstand how key events and individuals in design and technology have helped shape the world Technical knowledge <ul style="list-style-type: none">apply their understanding of how to strengthen, stiffen and reinforce more complex structures
<ol style="list-style-type: none">To research, investigate and analyse a range of existing productsTo develop design criteriaTo develop ideas through prototypes and pattern pieces (practise sewing)To plan ideas through annotated sketchesTo select from a range of materials according to aesthetic characteristics to make of productTo evaluate my own and others work against our own design criteria	<ol style="list-style-type: none">To understand how key individuals have helped shape the world (Homan J Walsh)To research and investigate existing productsTo develop design criteria and generate ideas through annotated sketchesTo investigate how to strengthen, stiffen and reinforce joinsTo make a functional product; selecting from a range of tools and materials (wooden dowels + saws)

	6. To evaluate my own and others products against my own design criteria (use evaluation form on server)
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