



## CRIGGLESTONE ST. JAMES CE PRIMARY ACADEMY

### *Design and Technology: rationale*

	<u>Construction</u>	<u>Textiles</u>	<u>Food and Nutrition</u>
EYFS			
KS1	<p>In KS1, children look at simple skills including how to create strong structures and how to use different components by making a wheeled vehicle with an axel. Children are given the opportunity to explore and experiment to become familiar with a variety of equipment.</p>	<p>In KS1, children begin to learn the basic sewing skills of running stitch. They will begin to explore other types of stitch.</p>	<p>In KS1, children look at basic skills of preparing and assembling ingredients, which builds into changing state of ingredients by using a blender and freezer. Children will have some understanding of seasonality and how the ingredients they are using grow.</p>
LKS2	<p>In LKS2 children will consolidate their knowledge from KS1 and create more complex structures. Again, children are provided with the opportunity to experiment with the durability and strength of a larger range of materials and joining techniques. They will begin to incorporate skills from other areas of school into their DT projects.</p>	<p>In LKS2, children consolidate their skills and begin to learn how to add fastenings and change the fabric using dyeing techniques.</p>	<p>In LKS2, this skill is consolidated and built upon by looking at more complex ingredients and creating a new product using ingredients which are unrecognisable from their original state. Children will deepen their understanding of the processing of simple ingredients. They will understand where the foods that have been made fall into the eatwell guide.</p>
UKS2	<p>Finally, as children progress into UKS2 they have developed a good skill base which they build upon further. Children will make more complex structures and joins in their projects alongside deepening their understanding of mechanisms by creating moving 3-D structures.</p>	<p>In UKS2, children put all of their skills together and now begin to look at how to make a durable product that is fit for purpose by exploring the purpose of different stitches. Children will also look at the functions of different fabrics and how products can be adapted for different purposes.</p>	<p>In UKS2, children further develop this into more complex savoury meals where they use a variety of raw ingredients. Children use a range of ingredients and heat foods to make meals. Children will be able to apply their knowledge of the eatwell guide and choose ingredients to create a healthy meal. Children will have some understanding of cost and choose ingredients accordingly.</p>