

| <u>Year 1 designer</u> | <u>Year 2 designer</u> | <u>Year 3 designer</u> |
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| <ul style="list-style-type: none"> • I use my own ideas to make something • I describe how something works • I cut food safely • I make a product which moves • I make my model stronger • I explain to someone how I want to make my product • I choose appropriate resources and tools • I make a simple plan before making | <ul style="list-style-type: none"> • I think of an idea and plan what to do next • I choose tools and materials and explain why I have chosen them • I join materials and components in different ways • I explain what went well with my work • I explain why I have chosen specific textiles • I measure materials to use in a model or structure • I describe the ingredients I am using | <ul style="list-style-type: none"> • I prove that my design materials meets some set criteria • I follow a step-by-step plan, choosing the right equipment and materials • I design a product and make sure that it looks attractive • I choose a material for both its suitability and its appearance • I select the most appropriate tools and techniques for a given task • I make a product which uses both electrical and mechanical components • I work accurately to measure, make cuts and make holes • I describe how food ingredients come together |
| <u>Year 4 designer</u> | <u>Year 5 designer</u> | <u>Year 6 designer</u> |
| <ul style="list-style-type: none"> • I use ideas from other people when I am designing • I produce a plan and explain it • I evaluate and suggest improvements for my designs • I evaluate products for both their purpose and appearance • I explain how I have improved my original design • I present a product in an interesting way • I measure accurately • I persevere and adapt my work when my original ideas do not work • I know how to be both hygienic and safe when using food | <ul style="list-style-type: none"> • I come up with a range of ideas after collecting information from different sources • I produce a detailed, step-by-step plan • I suggest alternative plans, outlining the positive features and draw-backs • I explain how a product will appeal to a specific audience • I evaluate appearance and function against original criteria • I use a range of tools and equipment competently • I make a prototype before making a final version • I show that I can be both hygienic and safe in the kitchen | <ul style="list-style-type: none"> • I use market research to inform my plans and ideas • I follow and refine my plans • I justify my plans in a convincing way • I show that I consider culture and society in my plans and designs • I show that I can test and evaluate my products • I explain how products should be stored and give reasons • I work within a budget • I evaluate my product against clear criteria |

St. Catherine's RC Primary School Design Technology Objectives

