

Design

Year Group / Theme

Knowledge

Skills Progression

| <u>Year Group / Theme</u> | <u>Knowledge</u> | <u>Skills Progression</u> |
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| <u>Year 1</u> | <ul style="list-style-type: none">• I use my own ideas to make something.• I can explain to someone else how I want to make my product.• I can choose appropriate resources and tools.• I can make a simple plan before making. | <ul style="list-style-type: none">• I can describe how something works.• I can cut food safely.• I can make a product which moves.• I can make my model stronger. |
| <u>Year 2</u> | <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 explain what went well with my work.• I explain why I have chosen specific textiles. | <ul style="list-style-type: none">• I join materials and components in different ways.• I measure materials to use in a model or structure.• I describe the ingredients I am using. |
| <u>Year 3</u> | <ul style="list-style-type: none">• 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. | <ul style="list-style-type: none">• I prove that my design meets some set criteria.• I follow a step-by-step plan, choosing the right equipment and materials.• 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. |

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| <u>Year 4</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 products for both their purpose and appearance. • I explain how I have improved my original design. • I evaluate and suggest improvements for my designs. | <ul style="list-style-type: none"> • 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. |
| <u>Year 5</u> | <ul style="list-style-type: none"> • I come up with a range of ideas after collecting information from different sources. • I explain how a product will appeal to a specific audience. • I produce a detailed, step-by-step plan. • I suggest alternative plans; outlining the positive features and draw backs. • I evaluate appearance and function against original criteria. | <ul style="list-style-type: none"> • I use a range of tools and equipment competently. • I make a prototype before make a final version. • I show that I can be both hygienic and safe in the kitchen. |
| <u>Year 6</u> | <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. | |