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**Key Concepts - Design and Technology**

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|  | **Key concepts** |
| **KS1** | * Select tools and materials to achieve a specific aim * Measure, cut and score a range of materials with some accuracy * Use hand tools safely and appropriately * Assemble, join and combine materials in order to make a product * Follow safe procedures for food safety and hygiene |
| **Lower KS2** | * Select tools and techniques for making their product working safely and accurately * Measure, tape or pin, cut and join fabric with accuracy * Measure, mark out, cut and shape a range of materials, using appropriate tools, equipment and techniques * Join and combine materials and components accurately in temporary and permanent ways * Use simple graphical communication techniques * Demonstrate hygienic food preparation and storage |
| **Upper KS2** | * To accurately measure, mark out, cut and shape a range of materials, using appropriate tools, equipment and techniques * Weigh and measure accurately * Select appropriate tools, materials, components and techniques to meet planned purpose. * Assemble components to make working models * Use a range of tools safely and accurately * Construct products using permanent joining techniques * Make modifications in process * Pin, sew and stitch materials together to create a product |