****

**Key Concepts - Design and Technology**

|  |  |
| --- | --- |
|  | **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
 |