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| Unit / topic | Acquiring the skills and knowledge needed | Working towards the skills and knowledge needed | On track with the skills and knowledge needed | Advancing the skills and knowledge needed | Extending the skills and knowledge needed |
|  | **Designing**  Is able to demonstrate an understanding of a simple design problem.  Is able to describe a design with a basic drawing.  Is able to comment on their work. | **Designing** Can generate labelled sketches or ideas with some support.  Does understand that the design should meet a need. Has ability to talk about their work to others.  Uses very simple models  Is able to evaluate their work. | **Designing** Can produce quite detailed-annotated sketches in order to communicate aspects of designs.  Does understand that the design should meet a range of different needs / different target market.  Has ability to present their work to a group.  Can use models to test their ideas.  Is able to evaluate and understand in order to suggest improvements to their outcome. | **Designing** Can generate labelled sketches that are based upon selected research.  Can choose useful and relevant research material.  Take users views into account.  Uses a variety of technical language when annotating work.  Is aware of constraints without very little prompting from teacher.  Produces models that show what the final product could look like.  Identifies what is working well and what could be improved. | **Designing** Can use primary sources of information.  Investigates and understands similar products in some depth.  Takes users views into account. Can use variety of designing techniques using technical language to explain. Tests and evaluates their work in order to find out if it meets user’s needs.  Identifies what has worked well and what could be improved. |
|  | **Making**  Can make a simple product with assistance.  Can use a small range of tools and equipment with guidance. | **Making** Can plan an order of work with some assistance.  Can use tools and equipment safely.  Has ability to choose correct equipment and materials with some support. | **Making** Can show a plan of work with some assistance.  Has ability to choose correct equipment and materials with some support.  Can use tools and equipment safely and takes greater care and attention with regards to accuracy when cutting out and shaping materials. | **Making** Can produce step by step plans showing order of construction with some support.  Uses a range of materials and components.  Uses techniques that ensure that work is well finished.  Manages time well so that products are fully completed. | **Making** Shows excellent precision/accuracy when using equipment, tools, machinery and materials. Is able to show that quality control is taking place.  Time plans do take into account the resources available. |