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|  | Year 1 key skills | Year 2 key skills | Year 3 key skills | Year 4 key skills | Year 5 key skills | Year 6 key skills |
| Design | I can design purposeful, functional products for myself to use.  I can generate ideas through talking with others | I can design purposeful, functional and appealing products for myself and others based on design criteria.  I can generate, develop, model and communicate my ideas through talking and drawing and making templates. | I know why products are used for a specific purpose  I can make simple plans of a model and begin to develop these ideas. | I can research designs to understand why they are used for the purpose they are used for.  I can use plans and annotate them to show my ideas. | I can use research and develop design criteria for my design and ensure they are fit for purpose  I can generate and develop designs with annotated patterns and sketches. | I can research and develop design criteria to inform the design of innovative, functional and appealing products that are fit for the purpose.  I can generate, develop, model and communicate ideas through discussion, annotated sketched and exploded diagrams, using patterns. |
| Make | I can use a range of tools, such as scissors and glue to cut and stick things.  I can use different materials to make a product. | I can select from a range of tools to cut, shape, join and finish products.  I can select the appropriate materials for my product, according to its characteristics, including textiles | I can use simple tools and equipment to perform practical tasks such as scissors, glue and tapes.  I can use a range of materials, including textiles, construction materials that have been selected for me. | I can use simple cutting equipment like saws and the glue gun with supervision.  I can begin to select my own materials for a specific purpose to make product, including construction and textile materials | I can select from a range of tools and equipment to perform practical tasks, such as saws, glue guns and drills.  I can select from a wide range of materials and components, including construction and textiles according to their functional properties. | I can select from a wide range of tools and equipment to perform practical tasks such as cutting, shaping, joining and finishing, suing drills, saws and glue guns  I can select from and use a range of materials according to their functional and aesthetic properties. |
| Evaluate | I can comment on existing products  I can make comments about my own product | I can explore and evaluate a range of existing products. | I can comment on existing products  I can comment on my own ideas against simple designs I have made  I know that there are famous designers of technology who have helped us today. | I can begin to investigate a range of existing products.  I can evaluate my ideas and products against the original plan I made  I understand that designers have helped shape the World. | I can investigate and analyse a range of products  I can evaluate my own ideas and products against my own design criteria and begin to consider the views of others to improve my work  I understand how key events and individuals in design and technology have helped shape the world and have studied one of these | I can investigate and analyse a range of existing products.  I can evaluate my own ideas and products against my own design criteria consider the views of others to improve my work  I understand how key events and individuals in design and technology have helped shape the world and have studied one of these. |
| Technical Knowledge | I can build structures and explore how they can be made stronger, stiffer and more stable. | I can explore and use mechanisms such as wheels and axis and levers or sliders. | I can apply my understanding of how to strengthen, stiffen and reinforce more complex structures, once this has been modelled to me. | I can apply my understanding of how to strengthen, stiffen and reinforce more complex structures.  I understand the use of electrical systems in my products. | I understand and can use mechanical systems in my products for example, gears, pulleys, cams. Levers and linkages | I can use and explain the use of electrical systems in my products, including motors, lights and series circuits.  I can apply my understanding of computing to programme, monitor and control my product. |
| Cooking and Nutrition | I know simple, what a healthy diet is  I can prepare simple dishes uses healthy ingredients. | I can use the basic principles of a healthy and varied diet to prepare dishes  I understand where food comes from | I understand what a healthy and varied diet is  I can prepare a healthy savoury snack, using simple preparation techniques such as cutting, grating, juicing, peeling. | I understand and can apply the principles of a healthy diet  I can prepare and begin to cook savoury dishes using simple cooking techniques such as baking, boiling, simmering | I understand seasonality and know where and how variety of ingredients are grown, reared, caught and processed  I can prepare and cook a variety of savoury dishes using a range of cooking techniques. | I understand seasonality and know where and how a variety of ingredients are grown, reared, caught and processed.  I can prepare and cook a variety of savoury dishes using a range of cooking techniques. |