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| **DT progressive skills** | **EYFS** | **Yr 1** | **Yr 2** | **Yr 3** | **Yr 4** | **Yr 5** | **Yr 6** |
| **Skill development throughout year groups** | **-Fine motorskills (holding pencil/ pressure of pencil- take a line for a walk/ holding a knife safely)****-Using tools of their selection to build structures****-To explore balance of materials****-Use materials around them to layer, glue, cut, rip** | **-use their knowledge of existing products and their own experience to help generate ideas as a group****-explain how their products look and talk through drawings****-select from materials, textiles and components according to characteristics****-with help, assemble, join and combine materials****-exploring how they can be made stronger, stiffer and more stable** | **-use their knowledge of existing products and their own experience to help generate ideas****-design products that have purpose****-explain how their products look and talk through annotated drawings****-understand and follow simple design criteria****-select from a range of materials, textiles and components according to characteristics****-with help assemble, join and combine materials****-begin to use simple finishing techniques, such as decorations****-explore and evaluate existing products mainly through discussions evaluations****-exploring how they can be made stronger, stiffer and more stable** | **-look at a range of existing products to help generate ideas****-design appealing products with a purpose****-explore different initial ideas as a group before coming up with final design****-develop and follow a simple criteria****-select tools and equipment and explain choices with growing confidence****-place main stages of making in a logical order****-measure and mark with growing confidence and growing accuracy****-improve the final product****-alter plans depending on feed back and improvements needed****-evaluate their product against their original design****-strengthen, stiffen and reinforce complex structures****-explain how levers create movement** | **-explore broad range of existing products to help generate ideas****-design appealing products with a clear purpose****-explain how particular parts of their products work****-use annotated sketches to communicate ideas****- explain choice of materials including functionality and aesthetic****-develop and follow a simple criteria****-carefully select a range of tools and equipment and explain choices with growing confidence****-measure, cut, join and mark with growing confidence****-use a finishing technique to improve the final product****-explore and evaluate existing products, explaining the purpose of the product and whether it has been designed to meet the purpose****-evaluate their product against their original design****-understand that materials have both functional and aesthetic properties****-strengthen, stiffen and reinforce complex structures** | **-use research to inform and develop detailed design****(innovative and appealing)****-know of a broad range of existing products to generate ideas****-explain how particular parts of their products work with annotated sketches****-select from a range of tools and equipment; explaining their choices****- create a guide****-take measurements needed****-cut a range of materials with growing precision and accuracy****-shape and score with growing precision and accuracy****-assemble, join, tape, pin, cut, shape and combine materials with growing accuracy-evaluate quality, manufacture and fitness for purpose of their finished product****-evaluate their finished product against their original design criteria****-apply their understanding of how to strengthen, stiffen and reinforce complex structures to create useful products** | **-use research to inform and develop detailed design****(innovative and appealing) independently and using a range of sources****-know of a broad range of existing products to generate ideas****-explain how particular parts of their products work with annotated and blown up sketches****-select from a range of tools and equipment; explaining their choices****- create a detailed step by step guide****-take measurements needed accurately****-cut a range of materials with growing mastery****-shape and score with growing precision and accuracy****-assemble, join, tape, pin, cut, shape and combine materials with growing accuracy****-evaluate quality, manufacture and fitness for purpose of their finished product****-evaluate their finished product against their original design criteria****-apply their understanding of how to strengthen, stiffen and reinforce complex structures to create useful products** |
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