

# DT

Year 1	<ul style="list-style-type: none"><li>• <b>Developing, planning &amp; communicating ideas</b></li><li>• Think of some ideas of my own.</li><li>• Explain what they want to do and how it works.</li><li>• Use pictures and words to plan.</li><li>• Design a product which moves.</li></ul> <p><b>Evaluating processes &amp; products</b></p> <ul style="list-style-type: none"><li>• Describe how something works.</li><li>• Talk about my own work and things that other people have done</li></ul> <p><b>Working with tools, equipment, materials &amp; components</b></p> <ul style="list-style-type: none"><li>• Explain what I am making.</li><li>• Choose and explain which tools are being used.</li><li>• Make their model stronger.</li></ul> <p><b>Textiles</b></p> <ul style="list-style-type: none"><li>• Describe how different textiles feel.</li><li>• Make a product from textiles by gluing.</li></ul> <p><b>Electrical &amp; mechanical components</b></p> <ul style="list-style-type: none"><li>• I can make a product which moves.</li><li>• Cut materials using scissors.</li><li>• Describe the materials using different words.</li><li>• Say why I have chosen moving parts.</li><li>• Join materials together as part of a moving product.</li><li>• Add some kind of design to my product.</li></ul> <p><b>Use of materials</b></p> <ul style="list-style-type: none"><li>• Make a structure/model using different materials.</li><li>• Work is tidy.</li><li>• Make my model stronger if it needs to be.</li></ul> <p><b>Construction</b></p> <ul style="list-style-type: none"><li>• Talk with others about how I want to construct my product.</li><li>• Select appropriate resources and tools for my building projects.</li><li>• Make simple plans before making objects, e.g. drawings, arranging pieces of construction before building.</li></ul>
Year 2	<p><b>Developing, planning &amp; communicating ideas</b></p> <ul style="list-style-type: none"><li>• Think of ideas and plan what to do next.</li><li>• Choose the best tools and materials. I can give a reason why these are best.</li><li>• Describe my design by using pictures, diagrams, models and words.</li></ul> <p><b>Evaluating processes &amp; products</b></p> <ul style="list-style-type: none"><li>• Explain what went well with their work.</li><li>• Explain what should be improved.</li><li>• Make their model stronger and more stable</li><li>• Use wheels and axles, when appropriate to do so.</li></ul> <p><b>Working with tools, equipment, materials &amp; components</b></p> <ul style="list-style-type: none"><li>• Join things (materials/ components) together in different ways.</li></ul> <p><b>Cooking &amp; Nutrition</b></p> <ul style="list-style-type: none"><li>• Describe the properties of the ingredients used when making a dish or cake.</li><li>• Explain what it means to be hygienic.</li><li>• Be hygienic in the kitchen.</li><li>• Weigh ingredients to use in a recipe.</li><li>• Cut food safely.</li><li>• Describe the texture of foods.</li></ul>

	<ul style="list-style-type: none"> <li>• Wash my hands and make sure that surfaces are clean.</li> <li>• Think of interesting ways of decorating food I have made, eg, cakes</li> </ul> <p><b>Textiles</b></p> <ul style="list-style-type: none"> <li>• Measure textiles.</li> <li>• Join textiles together to make something.</li> <li>• Cut textiles.</li> <li>• Explain why I chose a certain textile.</li> </ul> <p><b>Use of materials</b></p> <ul style="list-style-type: none"> <li>• Measure materials to use in a model or structure.</li> <li>• Join material in different ways.</li> <li>• Joining, folding or rolling to make it stronger.</li> <li>• Choose tools and materials and explain why they have chosen them.</li> </ul> <p><b>Construction</b></p> <ul style="list-style-type: none"> <li>• Make sensible choices as to which material to use for my constructions.</li> <li>• Develop my own ideas from initial starting points.</li> <li>• Incorporate some type of movement into models.</li> <li>• Consider how to improve my construction.</li> </ul>
Year 3	<p><b>Developing, planning &amp; communicating ideas</b></p> <ul style="list-style-type: none"> <li>• Show that my design meets a range of requirements.</li> <li>• Put together a step-by-step plan which shows the order and also what equipment and tools I need.</li> <li>• Describe my design using an accurately labelled sketch and words.</li> <li>• Say how realistic my plan is.</li> </ul> <p><b>Evaluating processes &amp; products</b></p> <ul style="list-style-type: none"> <li>• Explain what I changed which made my design even better</li> </ul> <p><b>Working with tools, equipment, materials &amp; components</b></p> <ul style="list-style-type: none"> <li>• Use equipment and tools accurately.</li> </ul> <p><b>Textiles</b></p> <ul style="list-style-type: none"> <li>• Join textiles of different types in different ways.</li> <li>• Choose textiles both for my appearance and also qualities.</li> <li>• Think what the user would want when choosing textiles.</li> <li>• Think about how to make my product strong.</li> <li>• Devise a template.</li> <li>• Explain how to join things in a different way.</li> </ul> <p><b>Electrical &amp; mechanical components</b></p> <ul style="list-style-type: none"> <li>• Select the most appropriate tools and techniques to use for a given task.</li> <li>• Use a simple circuit.</li> <li>• Use a number of components.</li> </ul> <p><b>Use of materials</b></p> <ul style="list-style-type: none"> <li>• Use the most appropriate materials.</li> <li>• Work accurately to make cuts and holes.</li> <li>• Join materials.</li> </ul> <p><b>Mouldable materials</b></p> <ul style="list-style-type: none"> <li>• Select the most appropriate materials.</li> <li>• Use a range of techniques to shape and mould.</li> <li>• Use finishing techniques.</li> </ul>
Year 4	<p><b>Developing, planning &amp; communicating ideas</b></p> <ul style="list-style-type: none"> <li>• Come up with at least one idea about how to create my product.</li> <li>• Take account of the ideas of others when designing.</li> <li>• Produce a plan and explain it to others.</li> <li>• Suggest some improvements and say what was good and not so good about my original design.</li> </ul> <p><b>Evaluating processes &amp; products</b></p> <ul style="list-style-type: none"> <li>• Think of how I will check if my design is successful.</li> <li>• Explain how I can improve my original design.</li> </ul>

	<ul style="list-style-type: none"> <li>• Evaluate my product, thinking of both appearance and the way it works.</li> <li>• Consider how I could have made my idea better.</li> </ul> <p><b>Working with tools, equipment, materials &amp; components</b></p> <ul style="list-style-type: none"> <li>• Tell if my finished product is going to be good quality.</li> <li>• Conscience of the need to produce something that will be liked by others.</li> <li>• Show a good level of expertise when using a range of tools and equipment.</li> <li>• Work at my product even though my original idea might not have worked.</li> </ul> <p><b>Cooking &amp; Nutrition</b></p> <ul style="list-style-type: none"> <li>• Know what to do to be hygienic and safe.</li> <li>• Think about what I can do to present my product in an interesting way.</li> <li>• Choose the right ingredients for a product.</li> <li>• Use equipment safely.</li> <li>• Make sure that my product looks attractive.</li> <li>• Describe how my combined ingredients come together.</li> </ul> <p><b>Electrical &amp; mechanical components</b></p> <ul style="list-style-type: none"> <li>• Say how I have altered my product after checking it.</li> <li>• Confidently try out new and different ideas</li> </ul> <p><b>Use of materials</b></p> <ul style="list-style-type: none"> <li>• Measure carefully so as to make sure I have not made mistakes.</li> <li>• Say how I have attempted to make my product strong.</li> </ul> <p><b>Mouldable materials</b></p> <ul style="list-style-type: none"> <li>• Use a range of advanced techniques to shape and mould.</li> <li>• Use finishing techniques, showing an awareness of audience.</li> </ul>
Year 5	<p><b>Developing, planning &amp; communicating ideas</b></p> <ul style="list-style-type: none"> <li>• Come up with a range of ideas after I have collected information.</li> <li>• Take a user's view into account when designing.</li> <li>• Produce a detailed step-by-step plan.</li> <li>• Suggest some alternative plans and say what the good points and drawbacks are about each.</li> </ul> <p><b>Evaluating processes &amp; products</b></p> <ul style="list-style-type: none"> <li>• Check that my design is the best it can be.</li> <li>• Check whether anything could be improved.</li> <li>• Evaluate appearance and function against the original criteria.</li> </ul> <p><b>Working with tools, equipment, materials &amp; components</b></p> <ul style="list-style-type: none"> <li>• Explain why my finished product is going to be of good quality.</li> <li>• Explain how my product will appeal to the audience.</li> <li>• Use a range of tools and equipment expertly.</li> <li>• Persevere through different stages of the making process.</li> </ul> <p><b>Cooking &amp; Nutrition</b></p> <ul style="list-style-type: none"> <li>• Describe what I do to be both hygienic and safe.</li> <li>• Say if I have presented my product well.</li> <li>• Explain how my product should be stored with reasons.</li> <li>• Set out to grow my own products with a view to making a salad, taking account of time required to grow different foods.</li> </ul> <p><b>Textiles</b></p> <ul style="list-style-type: none"> <li>• Think what the user would want when choosing textiles.</li> <li>• Explain how I made my product attractive and strong.</li> <li>• Make up a prototype first.</li> <li>• Use a range of joining techniques.</li> <li>• Think about how my product could be sold.</li> <li>• Think about what would improve my product even more.</li> </ul> <p><b>Electrical &amp; mechanical components</b></p> <ul style="list-style-type: none"> <li>• Incorporate a switch into my product.</li> <li>• Refine my product after testing it.</li> </ul>

	<ul style="list-style-type: none"> <li>• Incorporate hydraulics and pneumatics.</li> </ul> <p><b>Use of materials</b></p> <ul style="list-style-type: none"> <li>• Measurements are accurate enough to ensure that everything is precise.</li> <li>• Explain how I have ensured that my product is strong and fit for purpose.</li> </ul> <p><b>Mouldable materials</b></p> <ul style="list-style-type: none"> <li>• Refine and further improve my product using mouldable materials.</li> </ul>
Year 6	<p><b>Developing, planning &amp; communicating ideas</b></p> <ul style="list-style-type: none"> <li>• Use a range of information to inform my design.</li> <li>• Use market research to inform plans.</li> <li>• Work within constraints.</li> <li>• Follow and refine my plan if necessary.</li> <li>• Justify my plan to someone else.</li> <li>• Consider culture and society in my designs.</li> </ul> <p><b>Evaluating processes &amp; products</b></p> <ul style="list-style-type: none"> <li>• Test and evaluate my final product.</li> <li>• Know if it is fit for purpose.</li> <li>• Know what would improve it.</li> <li>• Say if different resources would have improved my product.</li> <li>• Say if I need more or different information to make it even better.</li> <li>• Say if my product meets all design criteria.</li> <li>• Consider the use of the product when selecting materials.</li> </ul> <p><b>Working with tools, equipment, materials &amp; components</b></p> <ul style="list-style-type: none"> <li>• Use tools and materials precisely.</li> <li>• Change the way I are working if needed.</li> </ul> <p><b>Electrical &amp; mechanical components</b></p> <ul style="list-style-type: none"> <li>• Use different kinds of circuit in my product.</li> <li>• Think of ways in which adding a circuit would improve my product.</li> <li>• Add things to my circuits.</li> </ul> <p><b>Use of materials</b></p> <ul style="list-style-type: none"> <li>• Justify why I selected specific materials.</li> <li>• Ensure that my work is precise and accurate.</li> <li>• Hide joints so as to improve the look of my product.</li> </ul> <p><b>Mouldable materials</b></p> <ul style="list-style-type: none"> <li>• Justify why the chosen material was the best for the task.</li> <li>• Justify design in relation to the audience.</li> </ul>