



**National Curriculum Subject Content**

*Design*

- design purposeful, functional, appealing products for themselves and other users based on design criteria **1**
- generate, develop, model and communicate their ideas through talking, drawing, templates, mock-ups and, where appropriate, information and communication technology **2**

*Make*

- select from and use a range of tools and equipment to perform practical tasks [for example, cutting, shaping, joining and finishing] **3**
- select from and use a wide range of materials and components, including construction materials, textiles and ingredients, according to their characteristics **4**

*Evaluate*

- explore and evaluate a range of existing products **5**
- evaluate their ideas and products against design criteria **6**

*Technical knowledge*

- build structures, exploring how they can be made stronger, stiffer and more stable **7**
- explore and use mechanisms [for example, levers, sliders, wheels and axles], in their products. **8**

*Cooking and Nutrition*

- use the basic principles of a healthy and varied diet to prepare dishes **9**
- understand where food comes from. **10**

Year Group	Skills Block	To Infinity and Beyond!	Splat! Take that!
1	<p>Think of some ideas of their own</p> <p>Explain what they want to do</p> <p>Use pictures and words to plan</p> <p>Explain what they are making</p> <p>Explain which tools are they using</p> <p>Talk about their own work and things that other people have done</p> <p>Cut materials using scissors</p> <p>Talk with others about how they want to construct their product</p> <p>Select appropriate resources and tools for their building projects</p> <p>Make simple plans before making objects, e.g. drawings, arranging pieces of construction before building</p>	<p>Think of some ideas of their own</p> <p>Explain what they want to do</p> <p>Use pictures and words to plan</p> <p>Explain what they are making</p> <p>Explain which tools are they using</p> <p>Describe how something works</p> <p>Talk about their own work and things that other people have done</p> <p>Make a product which moves</p> <p>Cut materials using scissors</p> <p>Describe the materials using different words</p> <p>Say why they have chosen moving parts</p> <p>Make a structure/model using different materials</p> <p>Make their model stronger if it needs to be</p> <p>Talk with others about how they want to construct their product</p> <p>Select appropriate resources and tools for their building projects</p> <p>Make simple plans before making objects, e.g. drawings, arranging pieces of construction before building</p>	<p>Think of some ideas of their own</p> <p>Explain what they want to do</p> <p>Use pictures and words to plan</p> <p>Explain what they are making</p> <p>Explain which tools are they using</p> <p>Describe how something works</p> <p>Talk about their own work and things that other people have done</p> <p>Cut food safely</p> <p>Describe the texture of foods</p> <p>Wash their hands and make sure that surfaces are clean</p> <p>Think of interesting ways of decorating food they have made, eg, cakes</p> <p>Describe how different textiles feel</p> <p>Make a product from textiles by gluing</p> <p>Cut materials using scissors</p>
2	<p>Think of ideas and plan what to do next</p> <p>Choose the best tools and materials</p> <p>Give a reason why these are best</p> <p>Describe their design by using pictures, diagrams, models and words</p> <p>Join things (materials/ components) together in different ways</p> <p>Measure textile</p> <p>Join textiles together to make something</p> <p>Cut textiles</p> <p>Be hygienic in the kitchen</p> <p>Join materials together as part of a moving product</p> <p>Measure materials to use in a model or structure</p> <p>Join material in different ways</p> <p>Use joining, folding or rolling to make it stronger</p> <p>Develop their own ideas from initial starting points</p>	<p>Think of ideas and plan what to do next</p> <p>Choose the best tools and materials</p> <p>Give a reason why these are best</p> <p>Describe their design by using pictures, diagrams, models and words</p> <p>Join things (materials/ components) together in different ways</p> <p>Explain what went well with their work</p> <p>Explain what they would improve</p> <p>Join materials together as part of a moving product</p> <p>Add some kind of design to their product</p> <p>Measure materials to use in a model or structure</p> <p>Join material in different ways</p> <p>Use joining, folding or rolling to make it stronger</p> <p>Make sensible choices as to which material to use for their constructions</p> <p>Develop their own ideas from initial starting points</p> <p>Incorporate some type of movement into models</p> <p>Consider how to improve their construction</p>	<p>Think of ideas and plan what to do next</p> <p>Choose the best tools and materials</p> <p>Give a reason why these are best</p> <p>Describe their design by using pictures, diagrams, models and words</p> <p>Join things (materials/ components) together in different ways</p> <p>Explain what went well with their work</p> <p>Explain what they would improve</p> <p>Describe the properties of the ingredients they are using</p> <p>Explain what it means to be hygienic</p> <p>Be hygienic in the kitchen</p> <p>Measure textile</p> <p>Join textiles together to make something</p> <p>Cut textiles</p> <p>Explain why they chose a certain textile</p>

Developing, planning and communicating ideas	Working with tools, equipment, materials and components to make quality products	Evaluating processes and products	Cooking and nutrition	Textiles	Mechanisms	Use of materials	Construction
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