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| Design and Technology enquiry | Programme of study  | Knowledge  | Vocabulary  |
| * Design purposeful, functional and appealing products **(National Curriculum Objective)**
* Generate, model and communicate ideas **(National Curriculum Objective)**
* Use range of tools and materials to complete practical tasks. **(National Curriculum Objective)**
* Evaluate existing products and own ideas **(National Curriculum Objective)**
* Build and improve structure and mechanisms **(National Curriculum Objective)**
* Understand where food comes from **(National Curriculum Objective)**
 | Design* Can they think of ideas and plan what to do next?
* Can they choose the best tools and materials? Can they give a reason why these are best?
* Can they describe their design by using pictures, diagrams, models and words?
 | Cooking* Can they describe the properties of the ingredients they are using?
* Can they explain what it means to be hygienic?
* Are they hygienic in the kitchen?
 | Purposeful, functional, product, design, idea, model, generate, communicate, tools, materials, evaluate. Build, improve, food, stronger, stiffer, stable, mechanisms, levers, sliders, wheels, axels, make, cooking, textiles, construction, plan, choose, diagram, components, Explain, pictures, cut, safely, hygiene, surfaces, decorate, gluing, feeling of texture, movement, scissors, structure, drawing, ingredients, measure, join, cut, Add design, product, folding, joining, stronger,incorporate. |
| Make* Can they join things (materials/ components) together in different ways?
 | Textiles * Can they measure textile?
* Can they join textiles together to make something?
* Can they cut textiles?
* Can they explain why they chose a certain textile?
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| Evaluate* Can they explain what went well with their work?
* If they did it again, can they explain what they would improve?
 | Mechanisms* Can they join materials together as part of a moving product?
* Can they add some kind of design to their product?
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| Use of materials* Can they measure materials to use in a model or structure?
* Can they join material in different ways?
* Can they use joining, folding or rolling to make it stronger?
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| Construction* Can they make sensible choices as to which material to use for their constructions?
* Can they develop their own ideas from initial starting points?
* Can they incorporate some type of movement into models?
* Can they consider how to improve their construction?
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| Extensions |
| Technical knowledge | Cooking and nutrition |  | Cultural Capital  |
| * build structures, exploring how they can be made stronger, stiffer and more stable
* explore and use mechanisms, (for example levers, sliders, wheels and axles), in their products.
 | * use the basic principles of a healthy and varied diet to prepare dishes
* understand where food comes from.
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