|  |  |  |  |
| --- | --- | --- | --- |
| 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? |
| 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? |
| 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? |
| 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? |
| 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. |  |  |