

**DT LTP 2425**

Cycle A (2024-2025, 2028-2029)	Autumn Term NC focus:	Spring Term NC focus:	Summer Term NC focus:
Unit title	Mechanisms/ Mechanical systems	Textiles	Food
Substantive Knowledge	Experiment with a range of cams, creating a design for their automat toy based on the choice of cam to create a desired movement. Understand that the mechanism in an automata toy uses a system of cams, axles and followers. Know that an automata is a hand powered mechanical toy. To understand that different shaped cams produce different outputs.	Develop the correct vocabulary for tools, materials and their properties. Understand seam allowance. Know how to join fabrics using running stitch, over sewing, blanket stitch. Use prototype to make pattern. Explore strengthening and stiffening of fabrics. Explore fastenings and recreate some-sew on buttons and make loops. Use appropriate decoration techniques.	Follow a recipe correctly and measure ingredients carefully. To know that food is grown, reared and caught. Know what a healthy diet is and how to be active. Use and understand the techniques of chopping, slicing, grating, mixing, spreading, kneading and baking.
Y3/4	Automata toy	Pouch	Recipes- adapting a recipe- biscuit
Y4/5	Automata toy	Purse	Recipes- adapting a recipe- Cake
Y5/6	Automata toy	Bag	Recipes- adapting a recipe- Bread