

TWO YEAR SCHEME OF WORK COVERAGE – DESIGN AND TECHNOLOGY

Milestone One - Key Stage One (Reception, Years 1 and 2)

To master practical skills Food	<ul style="list-style-type: none"> • Cut, peel or grate ingredients safely and hygienically • Measure or weigh using measuring cups or electronic scales • Assemble or cook ingredients
To master practical skills Materials	<ul style="list-style-type: none"> • Cut materials safely using tools provided • Measure and mark out to the nearest centimetre • Demonstrate a range of cutting and shaping techniques (such as tearing, cutting, folding and curling) • Demonstrate a range of joining techniques (such as gluing, hinges or combining materials to strengthen)
To master practical skills Textiles	<ul style="list-style-type: none"> • Shape textiles using templates • Join textiles using running stitch • Colour and decorate textiles using a number of techniques (such as dyeing, adding sequins or printing)
To master practical skills Electricals and electronics	<ul style="list-style-type: none"> • Diagnose faults in battery operated devices (such as low battery, water damage or battery terminal damage)
To master practical skills Computing	<ul style="list-style-type: none"> • Model designs using software
To master practical skills Construction	<ul style="list-style-type: none"> • Use materials to practise drilling, screwing, gluing and nailing materials to make and strengthen products
To master practical skills Mechanics	<ul style="list-style-type: none"> • Create products using levers, wheels and winding mechanisms
To design, make, evaluate and improve	<ul style="list-style-type: none"> • Design products that have a clear purpose and an intended user • Make products, refining the design as work progresses • Use software to design
To take inspiration from design throughout history	<ul style="list-style-type: none"> • Explore objects and designs to identify likes and dislikes of the designs • Suggest improvements to existing designs • Explore how products have been created