



Reception	<p>The children can safely use and explore a variety of materials, tools and techniques, experiment with colour, design, texture form and function.</p> <p>The children can share their creations, explaining the processes they have used.</p>
Year 1	<p>The children can use a simple running stitch.</p> <p>The children can design, make, and evaluate a structure.</p> <p>The children understand how wheels, axles, and chassis work. The children design and then make a vehicle.</p> <p>The children can design and make a healthy salad sandwich.</p>
Year 2	<p>The children can design and make a pasta or rice salad - including the salad to build upon Year 1.</p> <p>The children can build a wooden structure, by strengthening and joining wood.</p> <p>Designing and making a bag tag using a running stitch and adding embellishments</p> <p>The children can design and make a greeting card with moving parts.</p>
Year 3	<p>The children can make a potato ratatouille.</p> <p>The children can design and make a simpler sampler that demonstrates the use of patterns derived from handwriting patterns. Embroidered flower on hessian. Cross stitch</p> <p>The children can create a greenhouse structure using a variety of tools and techniques. Strengthening structures, using a glue gun and sheet materials to make greenhouse - wooden frames - safety.</p>
Year 4	<p>The children design and make a healthy snack bar and design the packaging.</p> <p>The children designing and make patterned fabrics – Stitching a hem – in the style of William Morris.</p> <p>The children design and make a shaduf structure- including a lever or pulley mechanism so the structure can move.</p> <p>The children design and make a contact and buzzer game - operation or coat hanger game - understand and use electrical systems in their products [for example, series circuits incorporating switches, bulbs, buzzers, and motors]</p>
Year 5	<p>The children can use cams mechanism to create moving toy with use of</p>



	<p>wooden doweling, glue guns, saws, incorporating cams mechanism into the design.</p> <p>The children can design and make a soup using seasonal vegetables.</p> <p>The children can design and make an ancient Greek money pouch using invisible hem, embroidered design, cord, pattern on the pouch.</p>
Year 6	<p>The children can design and make pasta along with their own tomato-based sauce by peeling, chopping, and dicing an onion, mashing, boiling pasta, simmering a sauce, health, and safety aspects, measuring, weighing.</p> <p>The children can design and making a bridge prototype by investigating bridge design. Is there an option for tower or pulley system to be incorporated into the design?</p> <p>The children can repair and recycle clothing by using a wide range of techniques including running stitch, whip stitch, blanket stitch, repairing clothes.</p>