

Mengham Junior School: DT CURRICULUM MAP 2025 – 2026



Year Group	Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2
Year 3	Autumn 2 Structures – Picture Frames <ul style="list-style-type: none"> Cut strip wood, dowel, square section wood accurately to 1mm Join materials using appropriate methods Use glue gun with close supervision Cut accurately and safely to a marked line Join and combine materials. Use craft knife, cutting mat and safety ruler under one to one supervision if appropriate Cross Curricular links – ART cave man picture inside.		Spring 2 Food – Packed lunch <ul style="list-style-type: none"> Develop sensory vocabulary/knowledge using, smell, taste, texture and feel Analyse the taste, texture, smell and appearance of a range of foods Follow instructions Make healthy eating choices from and understanding of a balanced diet Join and combine a range of ingredients e.g. snack foods Work safely and hygienically Measure and weigh ingredients appropriately *Know how to lay a table and have good table manners.		Summer 1 Textiles <ul style="list-style-type: none"> Understand seam allowance Join fabrics using running stitch, over sewing, back stitch Explore fastenings and recreate some e.g. sew on buttons and make loops Prototype a product using J cloths Use appropriate decoration techniques e.g. appliqué (glued or simple stitches) Create a simple pattern Understand the need for patterns 	
Year 4	Autumn 2 Mechanical Systems <ul style="list-style-type: none"> Practise making levers and linkages to understand how they work Design, make and evaluate a card with parts that move with levers and linkages Accurately make moving levers and linkages and incorporate into an effective card 		Spring 2 Food <ul style="list-style-type: none"> Develop sensory vocabulary/knowledge using, smell, taste, texture to evaluate shop bought healthy lunches Analyse the taste, texture, smell and appearance of a range of foods Follow a recipe to make something for a healthy lunch. Make healthy eating choices from and understanding of a balanced diet Join and combine a range of ingredients for a healthy lunch. Work safely and hygienically Select equipment; measure & weigh ingredients appropriately *Know how to lay a table and conduct themselves with good table manners.		Summer 2 Textiles <p>Making hand puppets</p> <ul style="list-style-type: none"> Understand seam allowance Join fabrics using running stitch, over sewing, back stitch Explore fastenings and recreate some e.g. sew on buttons and make loops Prototype a product using J cloths Use appropriate decoration techniques e.g. appliqué (glued or simple stitches) Create a simple pattern Understand the need for patterns 	
Year 5	Autumn 2 Food <ul style="list-style-type: none"> Taste a range of ingredients to develop a sensory food vocabulary for use when designing soup. Show awareness of a healthy and balanced diet. Select ingredients for soup making Prepare ingredients taking into account their properties and sensory characteristics. Weigh and measure using scales Cut and shape ingredients using appropriate tools and equipment e.g. grating. Join and combine food ingredients Decorate appropriately Work safely & hygienically *Know how to lay a table and have good table manners.		Spring 2 Structures – Frame Structures <p>Design a marble maze</p> <ul style="list-style-type: none"> Cut strip wood, dowel, square section wood accurately to 1mm Join materials using appropriate methods Use glue gun with close supervision Cut accurately and safely to a marked line Join and combine materials. Use craft knife, cutting mat and safety ruler under one to one supervision if appropriate 		Summer 2 Electrical systems (including programming and control) <ul style="list-style-type: none"> Incorporate motor and a switch into a model Control a model using a crumble board Know how more complex electrical circuits and components are used to create functional products. Know how to program a computer to monitor changes in the environment and control their products. 	
Year 6	Autumn 2 Food <ul style="list-style-type: none"> Taste a range of ingredients/products to develop food vocabulary for use when designing mince pies. Select ingredients for mince pie making Prepare ingredients taking into account their properties and sensory characteristics. Weigh and measure using scales Cut and shape ingredients using appropriate tools and equipment e.g. cutting. Join and combine food ingredients Decorate appropriately Work safely & hygienically 		Spring 2 Textiles <ul style="list-style-type: none"> Create 3D products using pattern pieces and seam allowance Understand pattern layout Decorate textiles appropriately often before joining components Pin and tack fabric pieces together Join fabrics using over sewing, back stitch, blanket stitch or machine stitching (closer supervision) Combine fabrics to create more useful properties Make quality products 		Summer 2 Mechanical Systems <p>design a moving wooden toy</p> <ul style="list-style-type: none"> Cut strip wood, dowel, square section wood accurate to 1mm Join materials using appropriate methods Use a cam to make an up and down mechanism. Build frameworks using a range of materials e.g. wood, card corrugated plastic to support mechanisms Use glue gun with close supervision Cut accurately and safely to a marked line Join materials with temporary, fixed or moving joinings Cross curricular – Pulleys and gears linked to Science and Maths (designing and creating roller coasters using K'NEX , Computing (crumble)	