



Bonneygrove and Millbrook Primary Federation

Progression of Skills

Design and Technology

These core DT skills outline the progressive knowledge and skills that pupils develop from EYFS to Year 6.

Core Skill	EYFS	Year One	Year Two	Year Three	Year Four	Year Five	Year Six
Make	<ul style="list-style-type: none"> Join and combine materials (tape, glue, split pins, staples with support) Build simple models using blocks, junk modelling, 	<ul style="list-style-type: none"> Use scissors accurately and safely Measure using informal units (hand spans, cubes) Join materials using glue, tape, paper fasteners Build a stable structure (tower, bridge, vehicle base) NC Link: select from 	<ul style="list-style-type: none"> Measure using a ruler (cm with support) Strengthen structures using folds, tabs and layers Use wheels/axles or sliders in a model Cut materials more precisely NC Link: 	<ul style="list-style-type: none"> Measure accurately using cm/mm Use saws or junior hacksaw with supervision Use stronger joining techniques (tabs, dowels, string, glue gun with supervision) Create moving parts (levers, 	<ul style="list-style-type: none"> Use a design brief and labelled diagram Strengthening structures using triangulation Use mechanical systems (gears/pulleys) in models Improve accuracy of cutting and joining 	<ul style="list-style-type: none"> Use prototypes to test ideas Use tools with precision (bench hook, junior saw, drill with supervision) Use cams/cranks/levers for movement Select materials based on function and aesthetics 	

	<p>construction kits</p> <ul style="list-style-type: none"> • Select resources independently • Talk about what they are making and why • Outcome (End of EYFS): • Children can create a simple model using different materials and explain what it is for. 	<p>tools/materials; build structures</p>	<p>mechanisms and structures</p>	<p>linkages)</p> <ul style="list-style-type: none"> • NC Link: apply technical knowledge; mechanisms 	<ul style="list-style-type: none"> • NC Link: structures/mechanisms; evaluate and refine 	<ul style="list-style-type: none"> • NC Link: innovative designs; apply technical knowledge • Produce a detailed design specification • Use a range of tools safely and independently • Combine mechanisms with structural stability • Evaluate and refine based on user feedback • NC Link: design, make, evaluate, technical knowledge
Bake	Children will learn to:	Use basic equipment safely (spoon, rolling pin, child-safe knife)	<ul style="list-style-type: none"> • Prepare simple ingredients (grate, peel with 	<ul style="list-style-type: none"> • Weigh ingredients independently (g) 	<ul style="list-style-type: none"> • Follow a more complex recipe independently 	<ul style="list-style-type: none"> • Adapt recipes for different dietary

<p>• Wash hands and follow basic hygiene routines</p> <p>• Mix, pour, spread, knead, cut (with supervision)</p> <p>• Explore taste, texture and smell</p> <p>• Follow simple picture recipes</p> <p>Progression Outcome (End of EYFS):</p> <p>Children can make a simple food product by following steps in order.</p>	<p>Name ingredients and identify food groups</p> <p>Follow a simple written or picture recipe</p> <p>Understand hygiene and food safety rules</p> <p>NC Link: cooking and nutrition; where food comes from</p>	<p>support, chop safely)</p> <p>• Understand healthy choices and balanced plate</p> <p>• Weigh and measure with help</p> <p>• Evaluate food based on taste/texture/appearance</p> <p>NC Link: nutrition; evaluate products</p>	<p>• Use mixing, whisking, kneading correctly</p> <p>• Identify seasonal foods</p> <p>• Begin adapting recipes (swap ingredients)</p> <p>NC Link: seasonality; cooking techniques</p>	<p>• Use oven safely with adult supervision</p> <p>• Understand nutrition labels (simple)</p> <p>• Evaluate and suggest improvements</p> <p>NC Link: cooking and nutrition; evaluate</p>	<p>needs (reduced sugar, vegetarian)</p> <p>• Understand seasonality and food miles</p> <p>• Combine ingredients with accuracy and timing</p> <p>• Present food attractively</p> <p>NC Link: seasonality; healthy eating; preparation</p> <p>• Plan a meal/snack for a target user</p> <p>• Prepare ingredients safely and efficiently</p> <p>• Use a wider range of cooking techniques (bake, boil, sauté with support)</p>
---	---	---	--	---	---

						<ul style="list-style-type: none"> Evaluate nutrition and improve recipe <p>NC Link: healthy balanced diet; cooking techniques</p>
Sew	<p>Children will learn to:</p> <ul style="list-style-type: none"> Thread large needles with support Use basic running stitch cards Use simple fastening skills (buttons, Velcro, zips, tying) Decorate fabric 	<p>Join fabric using glue and simple stitching cards</p> <p>Use running stitch on binca or card template</p> <p>Create simple textile shapes (puppet, flag)</p> <p>Explore simple decoration (fabric pens, applique)</p> <p>NC Link: textiles; design purposeful products</p>	<ul style="list-style-type: none"> Thread a needle with adult support Use running stitch to join two pieces of fabric Use a template pattern Add simple fastening (Velcro, button, tie) <p>NC Link: textiles skills; evaluate against criteria</p>	<ul style="list-style-type: none"> Thread needle independently Sew running stitch neatly with consistent spacing Begin over stitch/backstitch (simple) Use a pattern template and seam allowance <p>NC Link: select and use tools with accuracy</p>	<ul style="list-style-type: none"> Use backstitch for strength Attach a button securely Add a zip or Velcro fastening (supported) Create a simple textile product (pencil case, pouch) <p>NC Link: textiles construction; purposeful design</p>	<ul style="list-style-type: none"> Use blanket stitch or over stitch to finish edges Use seam allowance accurately Combine fabric pieces with reinforcement Use decorative techniques (embroidery/applique) <p>NC Link: textiles skills; quality finish</p> <ul style="list-style-type: none"> Create a textile product with multiple

using collage and printing

Progression Outcome (End of EYFS):

- Children can join fabrics using simple methods and explain their choices.

components (lining/pocket)

- Sew securely with neat finishing
- Add fastening independently (button, zip, Velcro)
- Evaluate quality and durability of stitching

NC Link: quality of making; functional design