



**HALLGATE PRIMARY SCHOOL
DESIGN AND TECHNOLOGY LONG TERM PLAN**

CYCLE A 2024-2025	Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2
FS1	<p>Myself & My Family (Autumn & Harvest)</p> <p>All children make and taste bread linked to Harvest theme and Little Red Hen.</p> <p>Tasting with three toppings - express preferences</p>	<p>Celebrations (Bonfire Night, Diwali & Christmas)</p> <p>Explore moulding clay and how it feels, make different forms - then making diva lamps - decorate with paint/glitter</p>	<p>Hot & Cold (Winter, The South Pole & Africa)</p>	<p>Fairy Tales (Little Red Riding Hood & The Gingerbread Man)</p> <p>Making & tasting gingerbread men</p>	<p>New Life (Spring, life cycle of chick & a frog. Beans)</p> <p>Tasting fruit juices - linked to healthy eating - expressing preferences</p>	<p>Minibeasts (Life cycle of a butterfly, The Hungry Caterpillar)</p> <p>Woodwork minibeast - using simple tools</p>
FS2	<p>Making bread - Link to science, changing materials & UTW - where the ingredients come from</p>	<p>Design & make clay diva - use modelling tools to add pattern/detail</p>	<p>Design, make and evaluate musical instruments - linked to music</p>	<p>Making gingerbread men for the bridge project Design, make & evaluate a bridge for the gingerbread man in small groups</p>	<p>Healthy eating - taste fruit then design, make and evaluate fruit kebabs</p>	<p>Designing, making & evaluating minibeasts with moving parts.</p>
Y12	<p>Once Upon A Time</p> <p>Mechanisms: Sliders and Levers - Moving Story Book</p> <p>Resources: Split pins Card Tape Examples of moving picture books</p>	<p>Once Upon A Time</p> <p>n/a (Art)</p>	<p>London's Burning!</p> <p>n/a (Art)</p>	<p>London's Burning!</p> <p>Food: Fruit and Vegetables From Different Cultures</p> <p>Resources: Chopping Boards Knives Food processors Bowls Cutlery</p>	<p>Beside the Seaside</p> <p>Mechanisms: Wheels and Axles - Horse-drawn fire cart</p> <p>Resources: Toys with axles Boxes Wheels/cotton reels Straws/dowling Tape PVA glue Hacksaws</p>	<p>Beside the Seaside</p> <p>n/a (Art)</p>



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Y34	<p>The Big Top</p> <p>Electrical Systems: Simple Circuits and Switches - Circus Buzzer Game (could make a moving carousel??)</p> <p>Resources: Buzzers Motors Light bulbs Light bulb holders Wires Batteries Battery holders Dowl - square and round Cardboard Hacksaws Wire PVA glue</p>	<p>Ice Palace</p> <p>n/a (Art)</p>	<p>Building an Empire</p> <p>Structures - Aqueduct Model</p> <p>Resources: Straws Square dowel Hacksaws PVA glue Cardboard</p>	<p>Iron man</p> <p>n/a (Art)</p>	<p>Tomb Raiders</p> <p>n/a (Art)</p>	<p>A World of Imagination</p> <p>Structures: Shell Structures - Package Design</p> <p>Resources: different packaging card square paper tape PVA glue pencils pencil crayons</p>
Y56	<p>Early Islamic Civilisation</p> <p>Textiles: Combining Different Fabric Shapes - Quilting Children to make own small quilts using 4 squares of fabric</p> <p>Resources: Fabric squares Batting Wadding Thread Pins</p>	<p>Wilberforce</p> <p>n/a (Art)</p>	<p>Into the Forest</p> <p>Structures: Frame Structures - Weather Vanes Design and create a weather vane which moves in the wind</p> <p>Resources: Straws Square dowel Hacksaws PVA glue</p>	<p>Waterworld</p> <p>n/a (Art)</p>	<p>I Spy</p> <p>Mechanisms: Pulleys or Gears - Spy Gadgets Chn to design own mechanism to break into a bank vault (eg to lower down from ceiling)</p> <p>Resources: Gears Square dowel Pulleys Hacksaws PVA glue</p>	<p>End of Year</p> <p>n/a (Art)</p>



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CYCLE B 2025-2026	Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2
FS1	TBC					
FS2	TBC					
Y12	<p>Explorers</p> <p>n/a (Art)</p>	<p>Explorers</p> <p>Food: Preparing Fruit and Vegetables - Smoothies</p> <p>Resources: Chopping Boards Knives Food processors/blenders Cups/beakers Jugs Bowls Aprons</p>	<p>Heroes and Villains</p> <p>n/a (Art)</p>	<p>Heroes and Villains</p> <p>Textiles: Templates and Joining - Hand Puppets</p> <p>Resources: Variety of textiles Thread Needles Fabric glue Buttons Wool</p>	<p>Australia Here We Come</p> <p>n/a (Art)</p>	<p>Australia Here We Come</p> <p>Structures: Freestanding Structures - School Climbing Frame</p> <p>Resources: Images of different climbing frames Construction kits that can be used to construct freestanding structures Card Straws Reclaimed materials eg small containers</p>
Y34	<p>Let's Rock</p> <p>Food: Healthy and Varied Diet - Making soup</p> <p>Resources: Weighing scales Bowls</p>	<p>Light and Dark</p> <p>n/a (Art)</p>	<p>Attack of the Anglo Saxons</p> <p>n/a (Art)</p>	<p>Attack of the Anglo Saxons</p> <p>Mechanisms: Levers and Linkages - Interactive Science display</p> <p>Resources: Cardboard</p>	<p>Viking Invasion</p> <p>Textiles: 2D Shape to 3D product - Viking Bags</p> <p>Resources: Hessian or felt fabric Sharp scissors Needled</p>	<p>Everyday Heroes</p> <p>n/a (Art)</p>



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	Baking trays Rolling pins Jugs			Split pins Glue Split pins Tape Examples of moving picture books	Thread	
Y56	<p>The World at War</p> <p>Textiles: Combining Different Fabric Shapes - Sewing Dolls</p> <p>Resources: Doll making kits Sharp scissors Needles Thread Fabric for clothes</p>	<p>Migration</p> <p>n/a (Art)</p>	<p>Biomes</p> <p>Electrical Systems: Recycled/Recyclable Reading Lamps</p> <p>Resources: Light bulbs Light bulb holders Wires Batteries Battery holders Dowl - square and round Cardboard Hacksaws PVA glue Reclaimed materials - paper/fabric</p>	<p>Globalisation</p> <p>n/a (Art)</p>	<p>It's all Greek to me</p> <p>Food: Celebrating Culture and Seasonality - Greek Food</p> <p>Resources: Weighing scales Bowls Baking trays Rolling pins Jugs Sharp knives</p>	<p>End of Year</p> <p>n/a (Art)</p>