

Design and Technology Yearly Overview EYFS and KS1

Bramley Infant and Nursery continue to review and reflect upon content and context of topics in light of equality, diversity and inclusion. Significant local, national and international events will also be explored as appropriate e.g. coronations

	Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2
Nursery	<p>Throughout the year children are supported to develop the following skills:</p> <ul style="list-style-type: none"> Using 3D and 2D structures to explore materials and/or to express ideas. Using everyday materials to explore, understand and represents their world- their ideas, interests and fascinations Operates mechanical toys, e.g. turns the knob on a wind-up toy or pulls back on a friction car Plays with water to investigate "low technology" such as washing and cleaning Uses pipes, funnels and other tools to carry/ transport water from one place to another Notices and becomes interested in the transformative effect of their action on materials and resources Experiments with ways to enclose a space, create shapes and represent actions, sounds and objects <p>Adults join children in their play and respond to the children's interests, modelling key vocabulary and techniques. The provision is updated in response to children's interests and next steps. Adult-led activities provide opportunities for children to be introduced to new skills. See below for examples of activities that may be delivered at different points in the year.</p>					
	Topic: Autumn	Topic: Light and Dark and Christmas Diwali- clay divi pots.	Topic: Nursery Rhymes Making jam tarts	Topic: New life and Easter	Topic: Friends and family	Topic: Courage
Pre-School	<ul style="list-style-type: none"> Plays with a range of materials to learn cause and effect, Shows skill in making toys work by pressing parts or lifting flaps to achieve effects such as sound, movements or new images Experiments with ways to enclose a space, create shapes and represent actions, sounds and objects Using 3D and 2D structures to explore materials and/or to express ideas. Develops an understanding of using lines to enclose a space, and begins to use drawing to represent actions and objects based on imagination, observation and experience Uses various construction materials, e.g. joining pieces, stacking vertically and horizontally, balancing, making enclosures and creating spaces Uses tools for a purpose Notices what other children and adults do, mirroring what is observed, adding variations 					
	Topic: Year 1-All about me Year 2-All about me Constructing using a variety of materials. Explore joining and sticking different materials together with the support of an adult.	Topic: Year 1-Autumn and celebrations Year 2-Autumn and celebrations Explore using different painting tools- brushes of different sizes, palettes, paint, sponges, water. Constructing using a variety of materials. Explore joining and sticking different materials together.	Topic: Year 1-Winter and superheroes Year 2-Traditional tales Constructing using a variety of materials. Using available resources to create props to support play. Beginning to select resources independently.	Topic: Year 1-Superheroes and Spring Year 2-Under the sea and Spring Using tools for a purpose. Children are beginning to think about what they want to create, the processes that may be involved and the materials and resources they may need. Constructing using a variety of materials. Using available resources to create props to support play.	Topic: Year 1-The great outdoors Year 2-Farms and farm animals Using tools for a purpose. Children are beginning to think about what they want to create, the processes that may be involved and the materials and resources they may need. Constructing using a variety of materials. Using available resources to create props to support play.	Topic: Year 1-Amazing animals Year 2-Minibeasts Using tools for a purpose. Children can think about what they want to create, the processes that may be involved and the materials and resources they may need. Using available resources to create props to support imaginative play, both independently and with their peers. Constructing imaginatively using a variety of materials.
Reception	<ul style="list-style-type: none"> Uses their increasing knowledge and understanding of tools and materials to explore their interests and enquiries and develop their thinking Develops their own ideas through experimentation with diverse materials, e.g. light, projected image, loose parts, watercolours, powder paint, to express and communicate their discoveries and understanding. Expresses and communicates working theories, 					
	Topic: Autumn Communication: <ul style="list-style-type: none"> Using talk to organise, sequence & clarify 	Topic: Light and Dark M&H Uses tools to effect change to materials for example when cutting out paper snowflakes,	Topic: Storytelling Goldilocks bed construction including selection of appropriate materials.	Topic: Storytelling	Topic: Not a Box Children will develop their ability to create different	Topic: Pirates

	<p>thinking ideas, feelings (events).</p> <p>M&H – Uses tools to effect changes to materials for example when creating clay spiders.</p> <p>Experimenting with a range of tools and materials with adult support in the continuous provision.</p>	<p>Creating animal homes using junk modelling, making paper chains and mixed media angel Christmas cards.</p>	<p>M&H handles tools, construction and malleable materials safety and with increasing control and intention.</p> <p>Children develop their own ideas through experimentation with diverse materials.</p> <p>Children choose particular materials for their own imaginative purposes.</p>	<p>Possible adult-led activities could include:</p> <ul style="list-style-type: none"> • Using loose parts to represent monsters. • Junk modelling monster home- applying learning about choosing and joining materials, use of tools. • Using 3D shape blocks- reinforcing maths learning. 	<p>props and then make use of these when engaged in roleplay.</p> <p>Children will become more confident justifying their choices and talking about how they could improve their design and technology work.</p> <p>Children will use their increasing knowledge of tools and materials to explore their interest and enquires and develop their thinking.</p>	<p>Possible adult-led activities could include:</p> <ul style="list-style-type: none"> • Creating pirate props e.g. telescope <p>Children are able to use combinations of art forms e.g. making and dramatic play, constructing and mapping.</p>
Year One	<p>Topic: Here we are</p> <p>Identify and make flaps and sliders</p> <p>Design, make and evaluate Christmas card</p>	<p>Topic: Terrific Toys</p> <p>Use knowledge of levers and sliders to create traction man picture with moving parts</p> <p>Create sewing sampling, using a range of stiches, running, diagonal, cross</p>	<p>Topic: Terrific Toys</p> <p>Use knowledge of levers and sliders to create traction man picture with moving parts</p> <p>Create sewing sampling, using a range of stiches, running, diagonal, cross</p>	<p>Topic: Terrific Toys</p> <p>Use knowledge of levers and sliders to create traction man picture with moving parts</p> <p>Create sewing sampling, using a range of stiches, running, diagonal, cross</p>	<p>Out and about</p> <p>Design, make and evaluate structure using construction kits, and link to den building in forest school.</p> <p>Plan and create a potato salad using potatoes grown at school.</p>	<p>Out and about</p> <p>Design, make and evaluate structure using construction kits, and link to den building in forest school.</p> <p>Plan and create a potato salad using potatoes grown at school.</p>
Year Two	<p>Topic: Castle Keepers</p> <p>Construct a model castle</p> <p>Design and prepare a Christmas cookie</p> <p>Build paper bridges that are stable and strong</p>	<p>Topic: World wonderers</p> <p>Produce finger puppets from felt using sewing and glue joins</p> <p>Prepare a pizza dish</p> <p>Prepare healthy snacks</p> <p>Design and make an Easter Garden</p>	<p>Topic: World wonderers</p> <p>Produce finger puppets from felt using sewing and glue joins</p> <p>Prepare a pizza dish</p> <p>Prepare healthy snacks</p> <p>Design and make an Easter Garden</p>	<p>Topic: World wonderers</p> <p>Produce finger puppets from felt using sewing and glue joins</p> <p>Prepare a pizza dish</p> <p>Prepare healthy snacks</p> <p>Design and make an Easter Garden</p>	<p>Topic: Change Champions</p> <p>Create a wheel and axle model</p> <p>Design, craft, paint and varnish a clay model</p> <p>Evaluate a product made for a design brief</p>	<p>Topic: Change Champions</p> <p>Create a wheel and axle model</p> <p>Design, craft, paint and varnish a clay model</p> <p>Evaluate a product made for a design brief</p>