

# Headcorn Primary School - Art Progression Map

	KS1	LKS2	UKS2
Exploring and Developing Ideas	<p>Children start to understand how ideas are developed through processes. Children build up resilience to getting things wrong and trying again. Children practise and share their learning and skills with others, receive and offer feedback to improve.</p> <p><b>KS1 Art and Design National Curriculum</b> To produce creative work, exploring their ideas and recording experiences.</p> <p>Children can:</p> <ul style="list-style-type: none"> <li>a respond positively to ideas and starting points;</li> <li>b explore ideas and collect information;</li> <li>c describe differences and similarities and make links to their own work;</li> <li>d try different materials and methods to improve;</li> <li>e use key vocabulary to demonstrate knowledge and understanding in this strand: work, work of art, idea, starting point, observe, focus, design, improve.</li> </ul>	<p>Children start collecting and developing ideas using sketchbooks. They continue to build up resilience, making mistakes and suggesting improvements to improve their work. Children practise and share their learning and skills with others, giving and receiving feedback to improve.</p> <p><b>KS2 Art and Design National Curriculum</b> Pupils should be taught to develop their techniques with creativity, experimentation and an increasing awareness of different kinds of art, craft and design.</p> <p>To create sketchbooks to record their observations and use them to review and revisit ideas.</p> <p>Children can:</p> <ul style="list-style-type: none"> <li>a use sketchbooks to record ideas;</li> <li>b explore ideas from first-hand observations;</li> <li>c question and make observations about starting points, and respond positively to suggestions;</li> <li>d adapt and refine ideas;</li> <li>e use key vocabulary to demonstrate knowledge and understanding in this strand: line, pattern, texture, form, record, detail, question, observe, refine.</li> </ul>	<p>Children start collecting more information and resources to present in sketchbooks. They continue to build their knowledge of techniques by experimenting and predicting what might happen. Children continue to practise and share their learning and skills with others, receiving and offering feedback to improve.</p> <p><b>KS2 Art and Design National Curriculum</b> Pupils should be taught to develop their techniques with creativity, experimentation and an increasing awareness of different kinds of art, craft and design.</p> <p>To create sketchbooks to record their observations and use them to review and revisit ideas.</p> <p>Children can:</p> <ul style="list-style-type: none"> <li>a review and revisit ideas in their sketchbooks;</li> <li>b offer feedback using technical vocabulary;</li> <li>c think critically about their art and design work;</li> <li>d use digital technology as sources for developing ideas;</li> <li>e use key vocabulary to demonstrate knowledge and understanding in this strand: sketchbook, develop, refine, texture, shape, form, pattern, structure.</li> </ul>

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<p style="writing-mode: vertical-rl; transform: rotate(180deg);">Drawing</p>	<p>Children begin to explore different techniques involved in drawing such as shading, thick and thin lines, patterns and shapes as well as using different surfaces to draw on. Children are also exposed to using different materials to draw with such as pencils, felt tips, charcoal, crayons, chalk and pastels.</p> <p><b>KS1 Art and Design National Curriculum</b> To become proficient in drawing techniques.</p> <p>To use drawing to develop and share their ideas, experiences and imagination.</p> <p>Children can:</p> <ul style="list-style-type: none"> <li>a draw lines of varying thickness;</li> <li>b use dots and lines to demonstrate pattern and texture;</li> <li>c use different materials to draw, for example pastels, chalk, felt tips;</li> <li>d use key vocabulary to demonstrate knowledge and understanding in this strand: portrait, self-portrait, line drawing, detail, landscape, cityscape, building, pastels, drawings, line, bold, size, space.</li> </ul>	<p>Children develop their knowledge of drawing by continuing to use a variety of drawing tools from KS1. They are introduced to new ways of making effect through tone, texture, light and shadow. They have the opportunity to use vocabulary learned in KS1 accurately, e.g. shading, thick and thin.</p> <p><b>KS2 Art and Design National Curriculum</b> To become proficient in drawing techniques.</p> <p>To improve their mastery of art and design techniques, including drawing, with a range of materials.</p> <p>Children can:</p> <ul style="list-style-type: none"> <li>a experiment with showing line, tone and texture with different hardness of pencils;</li> <li>b use shading to show light and shadow effects;</li> <li>c use different materials to draw, e.g. pastels, chalk, felt tips;</li> <li>d show an awareness of space when drawing;</li> <li>e use key vocabulary to demonstrate knowledge and understanding in this strand: portrait, light, dark, tone, shadow, line, pattern, texture, form, shape, tone, outline.</li> </ul>	<p>Children continue to use a variety of drawing tools but are introduced to new techniques, e.g. creating perspective. They become more confident in techniques already learned and use the vocabulary learned accurately, e.g. shading, thick and thin. Children will rely on their sketching books to improve their drawing skills.</p> <p><b>KS2 Art and Design National Curriculum</b> To become proficient in drawing techniques.</p> <p>To improve their mastery of art and design techniques, including drawing, with a range of materials.</p> <p>Children can:</p> <ul style="list-style-type: none"> <li>a use a variety of techniques to add effects, e.g. shadows, reflection, hatching and cross-hatching;</li> <li>b depict movement and perspective in drawings;</li> <li>c use a variety of tools and select the most appropriate;</li> <li>d use key vocabulary to demonstrate knowledge and understanding in this strand: line, texture, pattern, form, shape, tone, smudge, blend, mark, hard, soft, light, heavy, mural, fresco, portrait, graffiti.</li> </ul>
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# Headcorn Primary School - Art Progression Map

<p style="writing-mode: vertical-rl; transform: rotate(180deg);">Painting</p>	<p>Children can explore using a variety of different brushes to see what happens. Children begin to learn the primary colours and experiment with mixing paints to understand tone and secondary colours.</p> <p><b>KS1 Art and Design National Curriculum</b> To become proficient in painting techniques.</p> <p>To use painting to develop and share their ideas, experiences and imagination.</p> <p>Children can:</p> <ul style="list-style-type: none"> <li>a name the primary and secondary colours;</li> <li>b experiment with different brushes (including brushstrokes) and other painting tools;</li> <li>c mix primary colours to make secondary colours;</li> <li>d add white and black to alter tints and shades;</li> <li>e use key vocabulary to demonstrate knowledge and understanding in this strand: primary colours, secondary colours, neutral colours, tints, shades, warm colours, cool colours, watercolour wash, sweep, dab, bold brushstroke, acrylic paint.</li> </ul>	<p>Children continue exploring using a variety of different brushes to see what happens. They use the language of colour accurately when mixing, e.g. shade, primary and tint. Children begin to experiment with colour for effect and mood.</p> <p><b>KS2 Art and Design National Curriculum</b> To become proficient in painting techniques.</p> <p>To improve their mastery of art and design techniques, including painting with a range of materials.</p> <p>Children can:</p> <ul style="list-style-type: none"> <li>a use varied brush techniques to create shapes, textures, patterns and lines;</li> <li>b mix colours effectively using the correct language, e.g. tint, shade, primary and secondary;</li> <li>c create different textures and effects with paint;</li> <li>d use key vocabulary to demonstrate knowledge and understanding in this strand: colour, foreground, middle ground, background, abstract, emotion, warm, blend, mix, line, tone, fresco.</li> </ul>	<p>Children continue exploring a variety of different brushes to see what happens. They use the language of colour accurately and use inspiration from natural and non-natural works to create a colour palette. Children are more expressive with colour, associating colours with moods.</p> <p><b>KS2 Art and Design National Curriculum</b> To become proficient in painting techniques.</p> <p>To improve their mastery of art and design techniques, including painting with a range of materials.</p> <p>Children can:</p> <ul style="list-style-type: none"> <li>a create a colour palette, demonstrating mixing techniques;</li> <li>b use a range of paint (acrylic, oil paints, water colours) to create visually interesting pieces;</li> <li>c use key vocabulary to demonstrate knowledge and understanding in this strand: blend, mix, line, tone, shape, abstract, absorb, colour, impressionism, impressionists.</li> </ul>
<p style="writing-mode: vertical-rl; transform: rotate(180deg);">Sculpture</p>	<p>Children have the opportunity to use a variety of materials for sculpting and experiment with joining and constructing. They begin to use the correct vocabulary associated with sculpting and construction to demonstrate their understanding of the skill.</p> <p><b>KS1 Art and Design National Curriculum</b> To become proficient in sculpting techniques.</p> <p>To use sculpture to develop and share their ideas, experiences and imagination.</p> <p>Children can:</p> <ul style="list-style-type: none"> <li>a use a variety of natural, recycled and manufactured materials for sculpting, e.g. clay, straw and card;</li> <li>b use a variety of techniques, e.g. rolling, cutting, pinching;</li> <li>c use a variety of shapes, including lines and texture;</li> <li>d use key vocabulary to demonstrate knowledge and understanding in this strand: sculpture, statue, model, work, work of art, 3D, land art, sculptor, carving, sculpture, installation, shapes, materials, pyramid, abstract, geometric.</li> </ul>	<p>Children still have the opportunity to use a variety of materials for sculpting. They experiment with joining and construction, asking and answering questions such as, 'How can it go higher?' Children begin to understand more about decorating sculptures and adding expression through texture. They use a variety of tools to support the learning of techniques and to add detail.</p> <p><b>KS2 Art and Design National Curriculum</b> To become proficient in sculpting techniques.</p> <p>To improve their mastery of art and design techniques, including sculpting with a range of materials.</p> <p>Children can:</p> <ul style="list-style-type: none"> <li>a cut, make and combine shapes to create recognisable forms;</li> <li>b use clay and other malleable materials and practise joining techniques;</li> <li>c add materials to the sculpture to create detail;</li> <li>d use key vocabulary to demonstrate knowledge and understanding in this strand: rectangular, concrete, terrace, architect, 2D shape, brim, peak, buckle, edging, trimmings, shape, form, shadow, light, marionette puppet.</li> </ul>	<p>Children still use a variety of materials for sculpting and experiment with joining and constructing. They begin to understand more about clay modelling and using different tools with clay. They will be more reliant on their own ideas and knowledge of sculpture during the planning and designing process.</p> <p><b>KS2 Art and Design National Curriculum</b> To become proficient in sculpting techniques.</p> <p>To improve their mastery of art and design techniques, including sculpting with a range of materials.</p> <p>Children can:</p> <ul style="list-style-type: none"> <li>a plan and design a sculpture;</li> <li>b use tools and materials to carve, add shape, add texture and pattern;</li> <li>c develop cutting and joining skills, e.g. using wire, coils, slabs and slips;</li> <li>d use materials other than clay to create a 3D sculpture;</li> <li>e use key vocabulary to demonstrate knowledge and understanding in this strand: form, structure, texture, shape, mark, soft, join, tram, cast.</li> </ul>

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<p style="writing-mode: vertical-rl; transform: rotate(180deg);">Collage</p>	<p>Children will have the opportunity to explore creating a variety of images on different backgrounds with a variety of media, e.g. paper, magazines, etc. Children experiment with sorting and arranging materials and refining their work.</p> <p><b>KS1 Art and Design National Curriculum</b> To become proficient in other art, craft and design techniques – collage.</p> <p>To develop a wide range of art and design techniques in using texture, line, shape, form and space.</p> <p>Children can:</p> <ul style="list-style-type: none"> <li>a use a combination of materials that have been cut, torn and glued;</li> <li>b sort and arrange materials;</li> <li>c add texture by mixing materials;</li> <li>d use key vocabulary to demonstrate knowledge and understanding in this strand: collage, squares, gaps, mosaic, features, cut, place, arrange.</li> </ul>	<p>Children continue to explore creating collage with a variety of media, e.g. paper and magazines. They experiment with sorting and arranging materials with purpose to create effect. They learn new techniques, e.g. overlapping, tessellation, mosaic and montage.</p> <p><b>KS2 Art and Design National Curriculum</b> To improve their mastery of art and design techniques with a range of materials – collage.</p> <p>Children can:</p> <ul style="list-style-type: none"> <li>a select colours and materials to create effect, giving reasons for their choices;</li> <li>b refine work as they go to ensure precision;</li> <li>c learn and practise a variety of techniques, e.g. overlapping, tessellation, mosaic and montage;</li> <li>d use key vocabulary to demonstrate knowledge and understanding in this strand: texture, shape, form, pattern, mosaic.</li> </ul>	<p>Children experiment with mixing textures and with sorting and arranging materials with purpose to create effect. They develop their understanding of techniques learned in Lower KS2 and develop their own ideas through planning.</p> <p><b>KS2 Art and Design National Curriculum</b> To improve their mastery of art and design techniques with a range of materials – collage.</p> <p>Children can:</p> <ul style="list-style-type: none"> <li>a add collage to a painted or printed background;</li> <li>b create and arrange accurate patterns;</li> <li>c use a range of mixed media;</li> <li>d plan and design a collage;</li> <li>e use key vocabulary to demonstrate knowledge and understanding in this strand: shape, form, arrange, fix.</li> </ul>
<p style="writing-mode: vertical-rl; transform: rotate(180deg);">Textiles</p>	<p>Children have the opportunity to look at and practise a variety of techniques, e.g. weaving, dyeing and plaiting. They explore which textiles are best to use and produce the best result. Children will also explore decorating and embellishing their textiles to add detail, colour and effect.</p> <p><b>KS1 Art and Design National Curriculum</b> To become proficient in other art, craft and design techniques – textiles.</p> <p>To develop a wide range of art and design techniques in using colour, pattern and texture.</p> <p>Children can:</p> <ul style="list-style-type: none"> <li>a show pattern by weaving;</li> <li>b use a dyeing technique to alter a textile's colour and pattern;</li> <li>c decorate textiles with glue or stitching, to add colour and detail;</li> <li>d use key vocabulary to demonstrate knowledge and understanding in this strand: textiles, fabric, weaving, woven, placemat, loom, alternate, over, under, decoration, decorative, batik dye, dye, wax, resist, crayons, ink, apply, set.</li> </ul>	<p>Children develop their weaving and colouring fabric skills further. They are also introduced to the skill of stitching in Lower KS2.</p> <p><b>KS2 Art and Design National Curriculum</b> To improve their mastery of art and design techniques with a range of materials – textiles.</p> <p>Children can:</p> <ul style="list-style-type: none"> <li>a select appropriate materials, giving reasons;</li> <li>b use a variety of techniques, e.g. printing, dyeing, weaving and stitching to create different textural effects;</li> <li>c develop skills in stitching, cutting and joining;</li> <li>d use key vocabulary to demonstrate knowledge and understanding in this strand: pattern, line, texture, colour, shape, stuffing, turn, thread, needle, textiles, decoration.</li> </ul>	<p>Children further develop their weaving, overlapping and layering techniques. They experiment with a range of fabrics including non-traditional fabrics.</p> <p><b>KS2 Art and Design National Curriculum</b> To improve their mastery of art and design techniques with a range of materials – textiles.</p> <p>Children can:</p> <ul style="list-style-type: none"> <li>a experiment with a range of media by overlapping and layering in order to create texture, effect and colour;</li> <li>b add decoration to create effect;</li> <li>c use key vocabulary to demonstrate knowledge and understanding in this strand: colour, fabric, weave, pattern.</li> </ul>

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Printing	<p>Children experiment with shape and pattern, looking at repeated patterns and different materials to make texture, e.g. sponges.</p> <p><b>KS1 Art and Design National Curriculum</b> To become proficient in other art, craft and design techniques – printing.</p> <p>To develop a wide range of art and design techniques in using colour and texture.</p> <p>Children can:</p> <ul style="list-style-type: none"> <li>a copy an original print;</li> <li>b use a variety of materials, e.g. sponges, fruit, blocks;</li> <li>c demonstrate a range of techniques, e.g. rolling, pressing, stamping and rubbing;</li> <li>d use key vocabulary to demonstrate knowledge and understanding in this strand: colour, shape, printing, printmaking, woodcut, relief printing, objects.</li> </ul>	<p>Children use a variety of printing blocks, e.g. coiled string glued to a block, and explore what effect making their own blocks has on shape and texture.</p> <p><b>KS2 Art and Design National Curriculum</b> To improve their mastery of art and design techniques with a range of materials – printing.</p> <p>Children can:</p> <ul style="list-style-type: none"> <li>a use more than one colour to layer in a print;</li> <li>b replicate patterns from observations;</li> <li>c make printing blocks;</li> <li>d make repeated patterns with precision;</li> <li>e use key vocabulary to demonstrate knowledge and understanding in this strand: line, pattern, texture, colour, shape, block printing ink, polystyrene printing tiles, inking rollers.</li> </ul>	<p>Children have more opportunities to make printing blocks and tiles. They now reflect on their choice of colour for prints and develop their accuracy with patterns.</p> <p><b>KS2 Art and Design National Curriculum</b> To improve their mastery of art and design techniques with a range of materials – printing.</p> <p>Children can:</p> <ul style="list-style-type: none"> <li>a design and create printing blocks/tiles;</li> <li>b develop techniques in mono, block and relief printing;</li> <li>c create and arrange accurate patterns;</li> <li>d use key vocabulary to demonstrate knowledge and understanding in this strand: Hapa-Zome, hammering, pattern, shape, tile, colour, arrange, collograph;</li> </ul>
Work of Other Artists	<p>Children have the opportunity to learn from the works of famous artists, studying their techniques and processes. They will be exposed to a range of different artists through history throughout KS1.</p> <p><b>KS1 Art and Design National Curriculum</b> To understand the work of a range of artists, craft makers and designers, describing the differences and similarities between different practices and disciplines, and making links to their own work.</p> <p>Children can:</p> <ul style="list-style-type: none"> <li>a describe the work of famous, notable artists and designers;</li> <li>b express an opinion on the work of famous, notable artists;</li> <li>c use inspiration from famous, notable artists to create their own work and compare;</li> <li>d use key vocabulary to demonstrate knowledge and understanding in this strand:</li> </ul>	<p>Children continue to study the works of famous artists. They have more opportunity to offer opinion and to compare and contrast artists. Children will be exposed to a range of different artists through history, studying their techniques and processes.</p> <p><b>KS2 Art and Design National Curriculum</b> To learn about great artists, architects and designers in history.</p> <p>Children can:</p> <ul style="list-style-type: none"> <li>a use inspiration from famous artists to replicate a piece of work;</li> <li>b reflect upon their work inspired by a famous notable artist and the development of their art skills;</li> <li>c express an opinion on the work of famous, notable artists and refer to techniques and effect;</li> <li>d use key vocabulary to demonstrate knowledge and understanding in this strand:</li> </ul>	<p>Children continue to learn from the works of famous artists. They now expand their knowledge by looking at the range of more famous artists. Children comment on the work of famous artists and name their pieces of work.</p> <p><b>KS2 Art and Design National Curriculum</b> To learn about great artists, architects and designers in history.</p> <p>Children can:</p> <ul style="list-style-type: none"> <li>a give detailed observations about notable artists', artisans' and designers' work;</li> <li>b offer facts about notable artists', artisans' and designers' lives;</li> <li>c use key vocabulary to demonstrate knowledge and understanding in this strand</li> </ul>

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Make	<p><b>KS1 Design and Technology National Curriculum</b></p> <p>Through a variety of creative and practical activities, pupils should be taught the knowledge, understanding and skills needed to engage in an iterative process of making.</p> <p>Children select from and use a range of tools and equipment to perform practical tasks [for example, cutting, shaping, joining and finishing].</p> <p>They select from and use a wide range of materials and components, including construction materials, textiles and ingredients, according to their characteristics.</p> <p>Children can:</p> <p>Planning</p> <ul style="list-style-type: none"> <li>a with support, follow a simple plan or recipe;</li> <li>b begin to select from a range of hand tools and equipment, such as scissors, graters, zesters, safe knives, juicer;</li> <li>c select from a range of materials, textiles and components according to their characteristics;</li> </ul> <p>Practical skills and techniques</p> <ul style="list-style-type: none"> <li>d learn to use hand tools and kitchen equipment safely and appropriately and learn to follow hygiene procedures;</li> <li>e use a range of materials and components, including textiles and food ingredients;</li> <li>f with help, measure and mark out;</li> <li>g cut, shape and score materials with some accuracy;</li> <li>h assemble, join and combine materials, components or ingredients;</li> <li>i demonstrate how to cut, shape and join fabric to make a simple product;</li> <li>j manipulate fabrics in simple ways to create the desired effect;</li> <li>k use a basic running stitch;</li> <li>l cut, peel and grate ingredients, including measuring and weighing ingredients using measuring cups;</li> <li>m begin to use simple finishing techniques to improve the appearance of their product, such as adding simple decorations.</li> </ul>	<p><b>KS2 Design and Technology National Curriculum</b></p> <p>Through a variety of creative and practical activities, pupils should be taught the knowledge, understanding and skills needed to engage in an iterative process of making.</p> <p>Children select from and use a wider range of tools and equipment to perform practical tasks [for example, cutting, shaping, joining and finishing] accurately.</p> <p>They select from and use a wider range of materials and components, including construction materials, textiles and ingredients, according to their functional properties and aesthetic qualities.</p> <p>Children can:</p> <p>Plan</p> <ul style="list-style-type: none"> <li>a with growing confidence, carefully select from a range of tools and equipment, explaining their choices;</li> <li>b select from a range of materials and components according to their functional properties and aesthetic qualities;</li> <li>c place the main stages of making in a systematic order;</li> </ul> <p>Practical skills and techniques</p> <ul style="list-style-type: none"> <li>d learn to use a range of tools and equipment safely, appropriately and accurately and learn to follow hygiene procedures;</li> <li>e use a wider range of materials and components, including construction materials and kits, textiles and mechanical and electrical components;</li> <li>f with growing independence, measure and mark out to the nearest cm and millimetre;</li> <li>g cut, shape and score materials with some degree of accuracy;</li> <li>h assemble, join and combine material and components with some degree of accuracy;</li> <li>i demonstrate how to measure, cut, shape and join fabric with some accuracy to make a simple product;</li> <li>j join textiles with an appropriate sewing technique;</li> <li>k begin to select and use different and appropriate finishing techniques to improve the appearance of a product such as hemming, tie-dye, fabric paints and digital graphics.</li> </ul>	<p><b>KS2 Design and Technology National Curriculum</b></p> <p>Through a variety of creative and practical activities, pupils should be taught the knowledge, understanding and skills needed to engage in an iterative process of making.</p> <p>Children select from and use a wider range of tools and equipment to perform practical tasks [for example, cutting, shaping, joining and finishing], accurately.</p> <p>They select from and use a wider range of materials and components, including construction materials, textiles and ingredients, according to their functional properties and aesthetic qualities.</p> <p>Children can:</p> <p>Planning</p> <ul style="list-style-type: none"> <li>a independently plan by suggesting what to do next;</li> <li>b with growing confidence, select from a wide range of tools and equipment, explaining their choices;</li> <li>c select from a range of materials and components according to their functional properties and aesthetic qualities;</li> <li>d create step-by-step plans as a guide to making;</li> </ul> <p>Practical skills and techniques</p> <ul style="list-style-type: none"> <li>e learn to use a range of tools and equipment safely and appropriately and learn to follow hygiene procedures;</li> <li>f independently take exact measurements and mark out, to within 1 millimetre;</li> <li>g use a full range of materials and components, including construction materials and kits, textiles, and mechanical components;</li> <li>h cut a range of materials with precision and accuracy;</li> <li>i shape and score materials with precision and accuracy;</li> <li>j assemble, join and combine materials and components with accuracy;</li> <li>k demonstrate how to measure, make a seam allowance, tape, pin, cut, shape and join fabric with precision to make a more complex product;</li> <li>l join textiles using a greater variety of stitches, such as backstitch, whip stitch, blanket stitch;</li> <li>m refine the finish using techniques to improve the appearance of their product, such as sanding or a more precise scissor cut after roughly cutting out a shape.</li> </ul>
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Evaluate	<p><b>KS1 Design and Technology National Curriculum</b></p> <p>Through a variety of creative and practical activities, pupils should be taught the knowledge, understanding and skills needed to engage in an iterative process of designing and making.</p> <p>Children explore and evaluate a range of existing products.</p> <p>They evaluate their ideas and products against design criteria.</p> <p>Children can:</p> <ul style="list-style-type: none"> <li><b>a</b> explore and evaluate existing products mainly through discussions, comparisons and simple written evaluations;</li> <li><b>b</b> explain positives and things to improve for existing products;</li> <li><b>c</b> explore what materials products are made from;</li> <li><b>d</b> talk about their design ideas and what they are making;</li> <li><b>e</b> as they work, start to identify strengths and possible changes they might make to refine their existing design;</li> <li><b>f</b> evaluate their products and ideas against their simple design criteria;</li> <li><b>g</b> start to understand that the iterative process sometimes involves repeating different stages of the process.</li> </ul>	<p><b>KS2 Design and Technology National Curriculum</b></p> <p>Through a variety of creative and practical activities, pupils should be taught the knowledge, understanding and skills needed to engage in an iterative process of designing and making.</p> <p>Children investigate and analyse a range of existing products.</p> <p>They evaluate their ideas and products against their own design criteria and consider the views of others to improve their work.</p> <p>They understand how key events and individuals in design and technology have helped shape the world.</p> <p>Children can:</p> <ul style="list-style-type: none"> <li><b>a</b> explore and evaluate existing products, explaining the purpose of the product and whether it is designed well to meet the intended purpose;</li> <li><b>b</b> explore what materials/ingredients products are made from and suggest reasons for this;</li> <li><b>c</b> consider their design criteria as they make progress and are willing to alter their plans, sometimes considering the views of others if this helps them to improve their product;</li> <li><b>d</b> evaluate their product against their original design criteria;</li> <li><b>e</b> evaluate the key events, including technological developments, and designs of individuals in design and technology that have helped shape the world.</li> </ul>	<p><b>KS2 Design and Technology National Curriculum</b></p> <p>Through a variety of creative and practical activities, pupils should be taught the knowledge, understanding and skills needed to engage in an iterative process of designing and making.</p> <p>Children investigate and analyse a range of existing products.</p> <p>They evaluate their ideas and products against their own design criteria and consider the views of others to improve their work.</p> <p>They understand how key events and individuals in design and technology have helped shape the world.</p> <p>Children can:</p> <ul style="list-style-type: none"> <li><b>a</b> complete detailed competitor analysis of other products on the market;</li> <li><b>b</b> critically evaluate the quality of design, manufacture and fitness for purpose of products as they design and make;</li> <li><b>c</b> evaluate their ideas and products against the original design criteria, making changes as needed.</li> </ul>
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# Headcorn Primary School - Art Progression Map

<b>Technical Knowledge</b>	<p><b>KS1 Design and Technology National Curriculum</b></p> <p>Children build structures, exploring how they can be made stronger, stiffer and more stable.</p> <p>They explore and use mechanisms [for example, levers, sliders, wheels and axles], in their products.</p> <p>Children can:</p> <ul style="list-style-type: none"> <li><b>a</b> build simple structures, exploring how they can be made stronger, stiffer and more stable;</li> <li><b>b</b> talk about and start to understand the simple working characteristics of materials and components;</li> <li><b>c</b> explore and create products using mechanisms, such as levers, sliders and wheels.</li> </ul>	<p><b>KS2 Design and Technology National Curriculum</b></p> <p>Children apply their understanding of how to strengthen, stiffen and reinforce more complex structures.</p> <p>They understand and use mechanical systems in their products [for example, gears, pulleys, cams, levers and linkages].</p> <p>They understand and use electrical systems in their products [for example, series circuits incorporating switches, bulbs, buzzers and motors].</p> <p>They apply their understanding of computing to program, monitor and control their products.</p> <p>Children can:</p> <ul style="list-style-type: none"> <li><b>a</b> understand that materials have both functional properties and aesthetic qualities;</li> <li><b>b</b> apply their understanding of how to strengthen, stiffen and reinforce more complex structures in order to create more useful characteristics of products;</li> <li><b>c</b> understand and demonstrate how mechanical and electrical systems have an input and output process;</li> <li><b>d</b> make and represent simple electrical circuits, such as a series and parallel, and components to create functional products;</li> <li><b>e</b> explain how mechanical systems such as levers and linkages create movement;</li> <li><b>f</b> use mechanical systems in their products.</li> </ul>	<p><b>KS2 Design and Technology National Curriculum</b></p> <p>Children apply their understanding of how to strengthen, stiffen and reinforce more complex structures.</p> <p>They understand and use mechanical systems in their products [for example, gears, pulleys, cams, levers and linkages].</p> <p>They understand and use electrical systems in their products [for example, series circuits incorporating switches, bulbs, buzzers and motors].</p> <p>They apply their understanding of computing to program, monitor and control their products.</p> <p>Children can:</p> <ul style="list-style-type: none"> <li><b>a</b> apply their understanding of how to strengthen, stiffen and reinforce more complex structures in order to create more useful characteristics of products;</li> <li><b>b</b> understand and demonstrate that mechanical and electrical systems have an input, process and output;</li> <li><b>c</b> explain how mechanical systems, such as cams, create movement and use mechanical systems in their products;</li> <li><b>d</b> apply their understanding of computing to program, monitor and control a product.</li> </ul>
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# Headcorn Primary School Design and Technology Progression Map

## KS1 Design and Technology National Curriculum

Children use the basic principles of a healthy and varied diet to prepare dishes.

They understand where food comes from.

Children can:

- a explain where in the world different foods originate from;
- b understand that all food comes from plants or animals;
- c understand that food has to be farmed, grown elsewhere (e.g. home) or caught;
- d name and sort foods into the five groups in the Eatwell Guide;
- e understand that everyone should eat at least five portions of fruit and vegetables every day and start to explain why;
- f use what they know about the Eatwell Guide to design and prepare dishes.

## KS2 Design and Technology National Curriculum

Children understand and apply the principles of a healthy and varied diet.

They prepare and cook a variety of predominantly savoury dishes using a range of cooking techniques.

They understand seasonality, and know where and how a variety of ingredients are grown, reared, caught and processed.

Children can:

- a start to know when, where and how food is grown (such as herbs, tomatoes and strawberries) in the UK, Europe and the wider world;
- b understand how to prepare and cook a variety of predominantly savoury dishes safely and hygienically;
- c with support, use a heat source to cook ingredients showing awareness of the need to control the temperature of the hob and/or oven;
- d use a range of techniques such as mashing, whisking, crushing, grating, cutting, kneading and baking;
- e explain that a healthy diet is made up of a variety and balance of different food and drink, as represented in the Eatwell Guide and be able to apply these principles when planning and cooking dishes;
- f understand that to be active and healthy, nutritious food and drink are needed to provide energy for the body;
- g prepare ingredients using appropriate cooking utensils;
- h measure and weigh ingredients to the nearest gram and millilitre;
- i start to independently follow a recipe;
- j start to understand seasonality.

## KS2 Design and Technology National Curriculum

Children understand and apply the principles of a healthy and varied diet.

They prepare and cook a variety of predominantly savoury dishes using a range of cooking techniques.

They understand seasonality, and know where and how a variety of ingredients are grown, reared, caught and processed.

Children can:

- a know, explain and give examples of food that is grown (such as pears, wheat and potatoes), reared (such as poultry and cattle) and caught (such as fish) in the UK, Europe and the wider world;
- b understand about seasonality, how this may affect the food availability and plan recipes according to seasonality;
- c understand that food is processed into ingredients that can be eaten or used in cooking;
- d demonstrate how to prepare and cook a variety of predominantly savoury dishes safely and hygienically including, where appropriate, the use of a heat source;
- e demonstrate how to use a range of cooking techniques, such as griddling, grilling, frying and boiling;
- f explain that foods contain different substances, such as protein, that are needed for health and be able to apply these principles when planning and preparing dishes;
- g adapt and refine recipes by adding or substituting one or more ingredients to change the appearance, taste, texture and aroma;
- h alter methods, cooking times and/or temperatures;
- i measure accurately and calculate ratios of ingredients to scale up or down from a recipe;
- j independently follow a recipe.