

Art and Design Technology Overview 2022/2023

	Y1	Y2	Y3	Y4	Y5	Y6
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2	<b>Drawing</b> -Making marks using variety of tools (Kn) -Select appropriate tools (BA)	<b>Textiles</b> <b>How can you repurpose an item of clothing?</b> (Kn) How to cut out shapes which have been created by using a template (Kn) How to use a range of basic sewing skill (BA) Use a template to transfer a pattern (BA) Cut out and join fabric shapes using a template	<b>Drawing and Painting</b> (kn) There are lines and patterns in natural objects (Kn) A range of effects can be made with paint (BA) Identify lines and patterns in nature (BA) Use a range of specific painting techniques	<b>Food and Nutrition</b> <b>What's really in your food?</b> (Kn) Processed foods have many added ingredients (BA) Make, roll and shape bread dough (BA) Make a soup	<b>Drawing and Painting</b> (Kn) What is meant by subtractive drawing (Kn) What abstract art is (Kn) Lines can be used to suggest harmony (BA) Combine drawing techniques, making informed decisions based on knowledge of what could happen (BA) Transfer and enlarge an image (BA) Work in the style of an artist	<b>Food and Nutrition</b> <b>Can street food save us?</b> (Kn) What street foods are (Kn) How snacks can be good foods to eat (BA) Make a burrito (BA) Make and roll bread dough
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5	<b>Mechanisms</b> <b>How can you make a picture move?</b> (Kn) Common uses of sliders (Kn) Different methods to create card sliders (Kn) How sliders can create simple mechanisms (BA) Designs and make a slider product (BA) Evaluate the success of their outcomes and recommend improvements	<b>Drawings</b> (Kn) The surface drawn on will create different effects (BA) Use a range of mark makers to create a variety of effects which are dependant on the surface on which they are placed	<b>Textiles</b> <b>How can you make a box out of cloth?</b> (Kn) Fabric can be stiffened (Kn) Stiffened fabric can hold a form (BA) Select and apply solutions to stiffen a fabric (BA) Make a box using stiffened fabric	<b>Drawing</b> (Kn) What is meant by still life (Kn) How to use a viewfinder to create a focal point or area of interest (Kn) How to identify details (BA) Assemble objects to create an interesting composition (BA) Use a viewfinder (BA) Use fine control to add detail	<b>Food and Nutrition</b> <b>Why are our diets so different?</b> (Kn) Some foods and key ingredients from other cultures (Kn) How other cultures' food can be nutritious (BA) Make, roll and cook a flatbread (BA) Prepare a range of vegetables (BA) Present foods to a high standard	<b>Drawing</b> (Kn) The elements of art and design (BA) Work artistically using: shape, line, form, texture, colour, value and space
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1	<b>Painting</b> (Kn) Paint can be used to create a range of marks (Kn) Names of primary colours (BA) Make thick and thin lines (BA) Identify shades of primary colours	<b>Food and Nutrition</b> <b>What does healthy mean?</b> (kn) Why vegetables are so important to our health (Kn) What processed foods are (BA) Prepare a range of salad vegetables (BA) Shape and season a bread snack	<b>Printmaking</b> (Kn) Use a printing slab and roller (Kn) Create different printing blocks (BA) Make a variety of printed marks incl a) monoprinting, b) block printing	<b>Mechanisms</b> <b>How many ways are there to open a door?</b> (Kn) Types of hinges and the related terminology (Kn) Common uses for hinges (BA) Make a variety of model hinges (BA) Make and evaluate hinged products using modelling materials	<b>Printmaking</b> (Kn) Reduction is a method of block printing where part of the block is removed to create layers of colour and each colour is printed on top of the last. (BA) Create reduction prints and explain and record the process	<b>Mechanisms</b> <b>How do pulleys and gears let you see the world?</b> (Kn) Types of pulley systems and gears (Kn) Common use of pulleys and gears (Kn) How pulleys and gears can create simple mechanisms and change direction of movement. (BA) Design and make a model Ferris Wheel powered by gears
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4	<b>Structures</b> <b>How can you stop a tower from toppling over?</b> (Kn) A freestanding structure is a structure that stands on its own foundation or base without attachment to anything else. (BA) Build structures that are freestanding using a range of different materials	<b>Painting</b> (Kn) Colour and line can be used to show mood, movement and feelings (BA) Select colours and painting tools (BA) Make painted marks to express feelings	<b>Food and Nutrition</b> <b>What do we mean by a balanced diet?</b> (Kn) What is meant by the term balanced (Kn) What fresh foods are best (BA) Make a fruit and yoghurt dessert (BA) Make homemade chips (BA) Flavour foods to increase their sensory qualities	<b>Painting</b> (Kn) Similarities and differences between work of two artists (Kn) Know that abstract art is more about the shapes, colours and feeling it expresses-it is not about it being a realistic depiction (BA) Make comparisons and form opinions (BA) Create an abstract painting of a natural object	<b>Systems</b> <b>How can we keep ourselves safe on the road?</b> (Kn) Technology can be used to program and control a product (BA) Combine elements of their design knowledge to fulfil a brief	<b>Painting and Collage</b> (Kn) Observations of still life can be responded to through a combination of different media and styles (BA) Create a still life using a variety of colours, textures and materials including paint
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7	<b>Printmaking</b>	<b>Mechanisms</b>				

1	(Kn) Prints can be made from ordinary objects (Kn) Make and use a stencil and relief block (BA) Apply paint using controlled brush strokes and stippling (BA) Combine printing techniques such as stencilling and relief printing.	<b>Are bigger wheels always better?</b> (Kn) How wheels and axles work together (Kn) The size and position of wheels affect how they move (BA) Create a simple wheel mechanism (BA) Use wheel mechanisms to propel a simple vehicle	<b>Textile and Collage</b> (Kn) A mandala means circle in Sanskrit (Kn) Mandalas are designs in Hinduism and Buddhism (Kn) Quilting is a way of conveying a message (BA) Create collaged patterns with concentric circles (BA) Tell a story using textiles and collage	<b>Textiles</b> <b>How do you keep a tea towel from slipping off a hook?</b> (Kn) Fastenings have different functions (Kn) A shank provides a small amount of space between the button and fabric (BA) Select appropriate fastenings and attach them to fabric (BA) Make a shank for a button	<b>Textiles and Collage</b> (Kn) Applique is a technique where fabric is stuck or sewn onto a larger piece to form a pattern or picture (BA) Combine fabrics in a range of different ways (BA) Weave, braid and construct art using natural objects	<b>Food and Developing Nutrition</b> <b>Does food affect the way you feel?</b> (Kn) The difference between slow release and quick release carbohydrates (Kn) How food can improve mood and energy levels (BA) Dice, slice, peel, grate and cook a range of vegetables (BA) Use height and colour to improve the visual appeal of food
3	<b>Food and Nutrition</b> <b>How does food affect your senses?</b> (Kn) Why colourful food can be healthier (Kn) How different foods can affect their senses (BA) Peel, chop and grate a selection of vegetables (BA) Modify food to suit their food senses	<b>Printmaking</b> (Kn) Prints can be made from natural objects (Kn) How to make a collagraph printing block (BA) Create repeated patterns (BA) Combine printing techniques	<b>Mechanisms</b> <b>How can you do a lot of work with little effort?</b> (Kn) Types of levers and linkages (Kn) Key terminology relating to levers and linkages (Kn) How levers and linkages can change the direction of movement (BA) Design and make simplistic lever and linkage products (BA) Evaluate the success of their outcomes and recommend improvements	<b>Printmaking</b> (Kn) Kente cloth is woven fabric from West Africa (Kn) Tie dye is a method used to create designs and colours (Kn) Textile artists use a range of materials to create textured designs and images (BA) Create printing to represent Kente designs (BA) Use tie dye to create colour designs (BA) Combine media to create texture	<b>Textiles</b> <b>What fabric is ideal for creating a functional and hardwearing lunch bag?</b> (Kn) How to waterproof cotton fabric (Kn) Which fabrics are both functional and hardwearing (BA) Use beeswax to waterproof cotton fabric (BA) Repurpose a pair of jeans	<b>Printmaking and Textiles</b> (Kn) Batik is a method of marking marks on cloth using hot wax (Kn) Perspective is a technique that enables artists to create the illusion of depth to a drawing or painting (BA) Apply wax to the surface of fabric and dye it to create coloured designs (BA) Create a simple one point perspective sketch
4	<b>Textiles</b> (Kn) Mixed medias incl fabric yarn and bead, can be used to create artwork (BA) Combine a range of materials to produce textile art	<b>Understanding Materials</b> <b>How can you waterproof a hat?</b> (Kn) Materials can be modified to become waterproof (Kn) Origami comes from the Japanese words or-folding and Kami – paper (BA) Make paper waterproof (BA) Transform flat paper by folding and creasing to form a hat		<b>Structures</b> <b>Which shapes give structure stability?</b> (Kn) Triangles provide stability in a structure (Kn) Structural engineers work with architects to ensure structures withstand forces (BA) Make triangles to form and join trusses (BA) Identify the forces that affect structure	<b>3D</b> (Kn) An armature can be used to create a piece of 3D art (Kn) Clay can be joined by a score and slip method (BA) Use armatures to produce 3D forms (BA) Join two or more pieces of clay	<b>Structures</b> <b>How strong is a piece of spaghetti?</b> (Kn) Structures can be supported with guy lines and flying buttresses (Kn) The shorter the piece of spaghetti the stronger it will be (BA) Construct a flying buttress to support a tower (BA) Use appropriate lengths of spaghetti to increase strength and stability
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3		<b>Understanding Materials</b> <b>Can you build with bread?</b> (Kn) Building materials have different properties which enable them to be used for different purposes (BA) Identify, sort and select materials that can be used in construction (BA) Combine materials	<b>Textiles and Collage</b> (Kn) Reconstructed paintings are made using images that were originally part of something else (BA) Select appropriate pre-used images, colours and textures to create a new picture	<b>Food and Nutrition</b> <b>How does food affect your body and mind?</b> (Kn) How food can help their body and mind (Kn) How to prepare and cook a range of vegetables (BA) Peel and grate a range of vegetables (BA) Add flavour and texture to food	<b>3D Art and Collage</b> (Kn) An illusion can suggest movement (Kn) Proportion will make a figure seem realistic (BA) Assemble pieces of paper to create the illusion of movement (BA) Create figures that are in proportion and out of proportion	<b>Mechanisms</b> <b>How can you lift a car onto a roof?</b> (Kn) Types of gears and terminology relating to gears (Kn) Common uses of gears and pulleys (Kn) How pulleys and gears can change the direction of movement (BA) Design and make products that use pulleys and gears to lift loads.
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					(BA) Evaluate the success of their outcomes and recommend improvements	(BA) Match visual and tactile elements to their intentions to create visual balance
1	<b>3D</b> (Kn) Sculptures can be made out of different materials. (Kn) Artists take inspiration from work of others (BA) Select materials based on their properties (BA) Take inspiration from the work of others	<b>Food and Nutrition</b> <b>How healthy is your food?</b> (Kn) The difference between fresh food and ultra-processed foods (BA) Shape and form ingredients to make delicious food (BA) Use a range of culinary techniques	<b>Painting</b> (Kn) Backgrounds can be painted for effect (Kn) Negative space is the area behind and around the main focus of the painting. (BA) Use a range of techniques to create backgrounds for effect (BA) Paint backgrounds that create a negative space	<b>Electrical Systems</b> <b>How useful are switches?</b> (Kn) A switch is an interruption in a circuit (Kn) Switches are widely used in a range of products (BA) Incorporate different types of switches into circuits to perform a function	<b>Painting</b> (Kn) Different effects can be achieved with watercolour paint (BA) Select materials to create specific marks using watercolour paint	<b>Electrical Systems</b> <b>Can switches perform more than one function?</b> (Kn) More than one switch can be used to change the functionality of a product (BA) Use switches to adapt a product in response to a design brief
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4	<b>Textiles</b> <b>How can two squares of fabric keep you warm?</b> (Kn) Fabric can be joined together using a running stitch (Kn) The types and names of tools needed for sewing (BA) Create a running stitch (BA) Select tools for sewing (BA) Thread a needle	<b>3D</b> (Kn) Sculptures make their ideas come to life by joining or molding materials together (Kn) Sculptors sometimes first make small-scale models of their work called maquettes (BA) Join material together to form a 3D work of art (BA) Make a small rough draft of a sculpture to explore ideas	<b>Systems</b> <b>How are things powered?</b> (Kn) Different types of energy (Kn) Why designers need to carefully consider energy sources (BA) Identify how things are powered (BA) Suggest appropriate energy sources for design problems	<b>Painting</b> (Kn) Painting images can be layered to create space (Kn) An ombre effect can be created with paint by changing the tint and tone (BA) Position images on a plane to create space (BA) Add grey to a colour to create tonal change (BA) Add white to a colour to create tints	<b>Structures</b> <b>How are frames strengthened, reinforced and made rigid?</b> (Kn) Engineers use a range of methods to strengthen and reinforce structures (BA) Identify and describe ways that frames are strengthened and reinforced	<b>Painting</b> (Kn) Depth can be created by layering effects one on top of the other (BA) Select and combine appropriate techniques to create the illusion of water and depth
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1	<b>Collage</b> (Kn) Collage can be used as a background (Kn) Paper can be torn or cut for effect (BA) Build up layers, using collage to create a background	<b>Structures</b> <b>How strong is a piece of paper?</b> (Kn) A piece of paper is stronger when it is folded (Kn) A load is the amount of weight a structure must carry (BA) Fold paper to increase strength and stability (BA) Test and record how much weight paper can hold	<b>Creative Response</b> (Kn) There are a series of steps in the creative process (BA) Use knowledge of techniques and skills to make creative choices using painting and printmaking	<b>Food and Nutrition</b> <b>Is cheap food always worse for you?</b> (Kn) That cheap processed food often contains additives, salt and sugar, which makes it less healthy than unprocessed food (BA) Peel, grate and chop vegetables to make economical, tasty and healthy food	<b>Creative Response</b> (Kn) There are a series of steps in the creative process (Kn) Mediums can be combined to create texture (BA) Refer to previous knowledge and skills to make creative choices (BA) Apply and refine printmaking and collage techniques	<b>Textiles</b> <b>How can we reduce, recycle and repurpose?</b> (Kn) Plastic waste can be recycled and repurposed into practical, useful items (BA) Make a crochet hook out of a chopstick (BA) Use plastic bags and snack pacers
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4	<b>Food and Nutrition</b> <b>Why are vegetables the best?</b> (Kn) The importance of including a range of vegetables in a diet (BA) Peel, grate, season and breadcrumb a range of vegetables	<b>Creative Response</b> (Kn) There are a series of steps in the creative process. (BA) Refer to previous knowledge and skills to make creative choice. Apply and refine previously taught drawing and collage techniques.	<b>Structures</b> <b>What makes a bridge strong?</b> (Kn) Bridges are structures that allow people and vehicles to cross over an open space (Kn) Towers, piers and arches provide strength to a bridge (BA) Design and build a beam bridge that can hold the weight of 100 pennies. (BA) Identify and name parts of a bridge	<b>Creative Response</b> (Kn) There are a series of steps in the creative process (Kn) Running stitches can be joined together to create a fern stitch (BA) Refer previous knowledge and skills to make creative choices (BA) Apply and refine previously taught drawing and textile techniques	<b>Food and Nutrition</b> <b>What can you learn from different cultures' diets?</b> (Kn) How food can be used as medicines (Kn) How eating food from different countries can help us be healthy (BA) Roll and shape ingredients (BA) Slice and ribbon a range of vegetables (BA) Stir-fry vegetables	<b>Creative Response</b> (Kn) There are a series of steps in the creative process (Kn) Mediums can be combined to create texture and detail (BA) Refer to previous knowledge and skills to make creative choices (BA) Apply and refine drawing and textile techniques
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