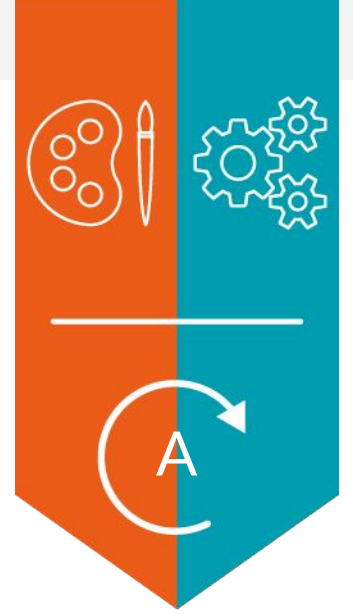


Curriculum overview for parents and carers

Art and design
and
Design and technology

A summary of key learning for Reception to Year 5/6.



	EYFS (Reception)
Autumn term	Structures: Junk modelling Learning about various types of permanent and temporary joins, the children explore a combination of materials and joining techniques in the junk modelling area.
	Drawing: Marvellous marks Exploring mark making and using the language of texture, the children use wax crayons to make rubbings and chalk on different surfaces. They also use felt tips to explore colour and pencils to create observational drawings of their faces.
Spring term	Textiles: Bookmarks Examining the history of the bookmark, the children apply their knowledge and skills to design and sew their own bookmarks. They also practise threading and weaving techniques using various materials and objects.
	Painting and mixed media: Paint my world Creating child-led paintings using fingers and natural items as tools, children learn that colours can be mixed and that paintings can be abstract or figurative. They also make collages and explore different techniques for using paint when creating splatter pictures.
Summer term	Structures: Boats Considering what is meant by 'waterproof', 'floating' and 'sinking', the children experiment and make predictions with various materials to carry out a series of tests. They also learn about the different features of boats and ships before investigating their shape and structures to build their own.
	Sculpture and 3D: Creation station Manipulating playdough and clay to make animal sculptures and their own creations, the children begin to use language associated with forces: push, pull and twist. They also create natural landscape pictures using items found outdoors.



Year 1/2 Cycle A	
Autumn term	Structures: Stable structures Investigating stable shapes and using an understanding of balance to discover how wide or heavy bases improve stability in freestanding structures. Pupils apply their understanding by designing and making a fun, stable pencil pot for a Year 1 pupil.
	Drawing: Exploring line and shape Exploring line and shape through a range of materials and stimuli, with a focus on the work of Bridget Riley and Paul Klee. Pupils develop control and creativity by experimenting with expressive mark making and portrait drawing, using lines and shapes to improve accuracy.
Spring term	Textiles: Simple stitches Examining fabrics, practising basic sewing techniques and identifying how different materials are made from threads. Pupils learn how to thread a needle and sew simple stitches before designing and creating a piece of decorative bunting.
	Sculpture and 3D: Paper play Creating simple 3D shapes and structures using paper and card, inspired by the 'Tree of life' screen at the Sidi Saiyyed Mosque. Pupils manipulate materials by folding, rolling and scrunching to make sculptures, then collaborate on a larger piece influenced by Louise Bourgeois.
Summer term	Mechanisms: Wheels and axles Exploring the main components of wheeled vehicles while developing an understanding of how wheels, axles and axle holders work together. Pupils investigate why wheels may not rotate properly before designing and building their own vehicle.
	Drawing: Understanding tone and texture Developing drawing skills by exploring and experimenting with a range of materials, pupils make marks that suggest texture, light and dark. They build drawings by sketching basic shapes and adding detail, producing a final observational piece that shows an emerging understanding of shading and texture.

Year 3/4 Cycle A	
Autumn term	Structures: Product packaging Exploring how 3D shell structures are created from nets and used in packaging, pupils evaluate what makes good packaging and follow a simple design criteria to create their own.
	Drawing: Developing drawing skills Developing drawing skills through observation, shape and tone, pupils practise drawing objects using simple shapes, building even tones with pencil and adding detail by observing pattern and texture. They apply these skills in imaginative plant drawings and recreate their ideas as digital artwork.
Spring term	Digital world: Wearable technology Developing an understanding of programmable products by designing, coding and promoting wearable technology for use in low-light conditions. Pupils monitor and control their product to a real-world design scenario.
	Drawing: Exploring tone, texture and proportion Exploring tone, texture and proportion to create realistic and expressive drawings, inspired by artists Sarah Graham, Nicola McBride and Beatriz Milhazes. Pupils also develop their skills in shading, mark-making and composition using sweets, wrappers and bold patterns to produce detailed drawings with a strong sense of form and proportion.
Summer term	Cooking and nutrition: Eating seasonally Discovering where and when fruit and vegetables are grown by learning about seasonality in the UK. Pupils respond to a brief by designing a seasonal tart using ingredients harvested in the UK during May and June.
	Craft and design: Ancient Egyptian scrolls Investigating the way colour, scale and pattern influenced ancient Egyptian art, pupils explore the technique of papermaking to create a papyrus-style scroll. Ideas are extended to create a modern response by designing a 'zine'.

Year 5/6 Cycle A	
Autumn term	Electrical systems: Wobble bots Building on existing knowledge of circuits by introducing motors and exploring how they create movement in products. Pupils investigate wobble mechanisms before designing and developing a wobble bot tailored to a specific user's needs.
	Drawing: Depth, emotion and movement Investigating how drawing can express emotion, movement and depth, inspired by the work of Charlie Mackesy and Elizabeth Catlett. Pupils use expressive lines, shading and printmaking techniques to develop compositions that convey feeling and energy before creating a final piece influenced by their own ideas and the artists studied.
Spring term	Mechanical systems: Gears and pulleys Investigating the history, mechanics and uses of gears and pulleys. Pupils build a gear and pulley mechanism before applying their understanding to design an eco-bike.
	Drawing: Expressing ideas Exploring how drawing can be used to express ideas and messages, inspired by a range of street art examples and environmental themes. Pupils investigate how artists use perspective, scale and proportion to create impact before designing and creating a street-art-inspired final piece that communicates a message about sustainability and the environment.
Summer term	Structures: Bridges Investigating different types of bridges and how structural strength is affected by shape and design. Pupils apply woodworking tools and techniques to design, build and test the durability of their own bridge structure.
	Craft and design: Photo opportunity Investigating photography as a medium for expressing ideas, pupils investigate scale and composition, colour and techniques for adapting finished images. They use digital media to design and create photographic imagery for a specific design brief.