

DESIGN AND TECHNOLOGY CURRICULUM MAP
Matched to National Curriculum

In the context of our Art and Design, and Design and Technology Curriculums



Design and Technology COVERAGE: NATIONAL CURRICULUM YEAR 1	ART AND DESIGN COVERAGE: NATIONAL CURRICULUM YEAR 1	
Mechanisms: Wheels and axles	FORMAL ELEMENTS OF ART	SCULPTURES AND COLLAGES (THEME: LIVING THINGS)
Learn about the key parts of a wheeled vehicle, to develop an understanding of how wheels, axles and axle holders work. Design and make a moving vehicle. CST: Subsidiarity	Exploring shape, line and colour: mixing and painting with secondary colours, using circles to create abstract compositions and working collaboratively to create a class piece of art inspired by water	On the theme of the natural world, children create sculptures, collages, 3D models of creatures and a giant spider sculpture, inspired by Louise Bourgeois. CST: Participation

Design and Technology COVERAGE: NATIONAL CURRICULUM YEAR 2	ART AND DESIGN COVERAGE: NATIONAL CURRICULUM YEAR 2	
Structures: Baby Bear's Chair	Textiles: Pouches	ART AND DESIGN SKILLS
Explore stability and methods to strengthen structures, to understand Baby Bear's chair weaknesses and develop an improved solution for him to use. CST: Human Dignity	Learn how to sew a running stitch ready to design, make and decorate a pouch using a template.	Design, drawing, craft, painting and art appreciation: replicating the recognisable crockery of Clarice Cliff, exploring tone through shading, developing weaving skills, working with clay and experimenting with brush strokes

DESIGN AND TECHNOLOGY COVERAGE: NATIONAL CURRICULUM YEAR 3	ART AND DESIGN COVERAGE: NATIONAL CURRICULUM YEAR 3	
Mechanical Systems: Pneumatic Toys	FORMAL ELEMENTS OF ART	PREHISTORIC ART
Explore pneumatic systems, then apply this understanding to design and make a pneumatic toy including thumbnail sketches and exploded diagrams. CST: Preferential Option for the Poor	Exploring shape and tone – identifying shapes in everyday objects, using shapes as guidelines to draw accurately from observation, creating form and shape using wire and shading from light to dark	Design, drawing, craft, painting and art appreciation – creating puppets, drawing from observation, learning the difference between a tint and a shade and creating a version of a cartoon drawn by a famous illustrator

DESIGN AND TECHNOLOGY COVERAGE: NATIONAL CURRICULUM YEAR 4		ART AND DESIGN COVERAGE: NATIONAL CURRICULUM YEAR 4
Mechanical Systems: Making a slingshot car	Textiles: Fastenings	SCULPTURE
Using a range of materials, design and make a car with a working slingshot mechanism and house the mechanism using a range of nets.	Analyse and evaluate a range of existing fastenings, then devise a list of design criteria to design, generate templates and make a fabric book sleeve.	Learning about the works of inspirational sculptors, creating 3D works of art, working with recycled materials and making collages. CST: Stewardship

Design and Technology COVERAGE: NATIONAL CURRICULUM YEAR 5		ART AND DESIGN COVERAGE: NATIONAL CURRICULUM YEAR 5
Structures: Bridges	Electrical Systems: Electronic Greetings Cards	EVERY PICTURE TELLS A STORY
Test and analyse various types of bridge to determine their strength and stability. Explore material properties and sources, before marking, sawing and assembling a wooden truss bridge.	Learn about the development of exchanging personal messages, to the invention of the Penny Black stamp. Develop an electronic greeting card, using paper-applicable circuit components. CST: Solidarity	Exploring the meaning behind art – analyse the work of Banksy; making symmetry prints inspired by Rorschach, telling a story using emojis, reenacting a poignant war scene and taking inspiration from ceramic artist Odundo. CST: Promoting Peace

DESIGN AND TECHNOLOGY COVERAGE: NATIONAL CURRICULUM YEAR 6	ART AND DESIGN COVERAGE: NATIONAL CURRICULUM YEAR 6	
Textiles: Waistcoats	ART AND DESIGN SKILLS	PHOTOGRAPHY
Using a combination of textiles skills such as attaching fastenings, appliqué and decorative stitches, design, assemble and decorate a waistcoat for a chosen purpose. CST: Distributive Justice	Developing design, drawing, craft, painting and art appreciation skills; designing a hat, creating zentangle patterns and prints, painting in an impressionist style and exploring the work of Edward Hopper CST: The Common Good	Developing photography skills – composition, colour, light, abstract image, underlying messages and capturing and presenting images in different ways.