

Design and Technology Curriculum Overview

Key Stage 1

Term	Year A	Year B	Year C	Year D
Autumn 1	WE ARE HISTORIANS	WE ARE PHILOSOPHERS	WE ARE CONSERVATIONISTS	WE ARE PALAEOLOGISTS
	DTA1	DTB1	DTC1 ● Mechanisms - wheels and axles Can you make a windmill?	DTD1
Autumn 2	WE ARE PUPPETEERS	WE ARE SCIENTISTS	WE ARE STORYTELLERS	WE ARE PAINTERS
	DTA2 ● Textiles - templates and joining Can you make a glove puppet?	DTB2 ● Mechanisms - wheels and axles Can you make a moving toy?	DTC2 ● Mechanisms - sliders and levers Can you make a 'lift the flap' book?	DTD2
Spring 1	WE ARE ANIMATORS	WE ARE NATURALISTS	WE ARE ARCHITECTS	WE ARE SCULPTORS
	DTA3 ● Structures freestanding Can you design and build an animation set?	DTB3 ● Textiles - joining and fastening Can you make a woven wall tidy?	DTC3 ● Structures - free standing Can you build a den?	DTD3 ● Structures - free standing Can you make a free standing wind sculpture?
Spring 2	WE ARE ACTIVISTS	WE ARE ROBOTICS ENGINEERS	WE ARE MINIATURISTS	WE ARE SPACE MISSION DESIGNERS
	DTA4 ● Food - local produce - preparing fruit and vegetables Can you make veggie face wraps/fruit animals?	DTB4 ● Structures Can you make a shelter for your robot minibeast?	DTC4 ● Textiles - templates and joining Can you make a hat for your teddy bear?	DTD4 ● Food - Healthy Eating Can you make a frozen fruit dessert?
Summer 1	WE ARE INVENTORS	WE ARE ANTHROPOLOGISTS	WE ARE FILM MAKERS	WE ARE COSTUME DESIGNERS
	DTA5 ● Mechanisms - sliders and levers Can you make a moving picture?	DTB5 ● Food - healthy eating & seasonality Can you make a healthy sandwich?	DTC5	DTD5 ● Textiles - templates and joining techniques Can you make a mask or costume?
Summer 2	WE ARE AUTOMATIVE ENGINEERS	WE ARE PERFORMERS	WE ARE ENTREPRENEURS	WE ARE BROADCASTERS
	DTA6 ● Mechanisms - wheels and axles Can you make a new carriage for Cinderella?	DTB6	DTC6 ● Food - local produce, preparing fruit and vegetables Can you make a healthy snack? - Fruit kebabs	DTD6

Key Stage 2

Term	Year A	Year B	Year C	Year D
Autumn 1	WE ARE HISTORIANS	WE ARE PHILOSOPHERS	WE ARE CONSERVATIONISTS	WE ARE PALAEOLOGISTS
	DTA1	DTB1	DTC1 Electrical Systems - Monitoring and control Can you build a green wall, using monitoring and control to check growing conditions?	DTD1
Autumn 2	WE ARE PUPPETEERS	WE ARE SCIENTISTS	WE ARE STORYTELLERS	WE ARE PAINTERS
	DTA2 ● Textiles - 2-D shape to 3-D product Can you make a puppet? (Shadow, rod, marionette or body)	DTB2 ● Mechanical Systems - cams Can you make an automaton?	DTC2 ● Textiles - joining techniques Can you make, bind and embellish a book?	DTD2 ● Mechanical systems - levers and linkages Can you make a moving picture? (Wooden automaton MAD Museum examples)
Spring 1	WE ARE ANIMATORS	WE ARE NATURALISTS	WE ARE ARCHITECTS	WE ARE SCULPTORS
	DTA3 ● Structures - freestanding Can you build a white card model, working from your animation set design?	DTB3 ● Textiles - combining different fabric shapes Can you make a woven wall tidy, using natural dyes and a range of materials?	DTC3 ● Structures - shell structures using computer-aided design Can you design and make a building for a model eco-village?	DTD3 ● Structures - frame Can your team build the strongest frame? (newspaper)
Spring 2	WE ARE ACTIVISTS	WE ARE ROBOTICS ENGINEERS	WE ARE MINIATURISTS	WE ARE SPACE MISSION DESIGNERS
	DTA4 ● Food - local produce, vegetables Can you make dips to serve with rainbow crudité's and finger foods/soup and bread?	DTB4 ● Electrical Systems - Motorised frameworks Programming and control Can you make a robotic animal? (Insects, reptiles and amphibians)	DTC4 ● Electrical Systems - Circuits and switches Can you make and light up a room for a 'story' dolls house?	DTD4 ● Food - Healthy and varied diet Can you plan a balanced meal? - Building fitness
Summer 1	WE ARE INVENTORS	WE ARE ANTHROPOLOGISTS	WE ARE FILM MAKERS	WE ARE COSTUME DESIGNERS
	DTA5 ● Mechanical systems - levers and linkages Can you make a mechanical art and design exhibit? (MAD Museum: marble run/ animatronic bird)	DTB5 ● Food - celebrating culture & seasonality, healthy eating Can you make a veggie pizza?	DTC5 ● Mechanical systems - wheels and axles Can you design a simple camera dolly?	DTD5 ● Textiles - Using computer-aided design in textiles Can you make a mask or costume?
Summer 2	WE ARE AUTOMATIVE ENGINEERS	WE ARE PERFORMERS	WE ARE ENTREPRENEURS	WE ARE BROADCASTERS

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	DTA6 <ul style="list-style-type: none"> • Mechanical systems - wheels and axles/ gears and pulleys Can you make a car to a specific design brief? (Bloodhound rocket/ Green Goblin)	DTB6	DTC6 <ul style="list-style-type: none"> • Food - local produce Can you use local produce to make a smoothie/pasta sauce?	DTD6