



National Curriculum Coverage Design Technology Key Stage 2

Design Technology National Curriculum Objectives (KS2)		Where are they taught? (LKS2)	Where are they taught? (UKS2)
Pupils should be taught to...			
Design	use research and develop design criteria to inform the design of innovative, functional, appealing products that are fit for purpose, aimed at particular individuals or groups	Lightning Speed Under the Canopy 'That's All, Folks!'	You're Not Invited Mission Control Global Warning
	generate, develop, model and communicate their ideas through discussion, annotated sketches, cross-sectional and exploded diagrams, prototypes, pattern pieces and computer-aided design	Lightning Speed Under the Canopy 'That's All, Folks!' Picture Our Planet	You're Not Invited Mission Control "I Have a Dream..." Global Warning
Make	select from and use a wider range of tools and equipment to perform practical tasks (for example, cutting, shaping, joining and finishing) accurately	Lightning Speed Under the Canopy Athens v Sparta Come Fly With Me! Africa Picture Our Planet	You're Not Invited Mission Control Come Fly With Me! America A World of Bright Ideas
	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	Lightning Speed Under the Canopy Come Fly With Me! Africa Picture Our Planet	You're Not Invited Mission Control "I Have a Dream..." Global Warning



Evaluate	investigate and analyse a range of existing products	Lightning Speed Under the Canopy Picture Our Planet	You're Not Invited Mission Control Global Warning
	evaluate their ideas and products against their own design criteria and consider the views of others to improve their work	Lightning Speed Under the Canopy	You're Not Invited Mission Control
	understand how key events and individuals in design and technology have helped shape the world		A World of Bright Ideas
Technical Knowledge	apply their understanding of how to strengthen, stiffen and reinforce more complex structures	Athens v Sparta	Come Fly With Me! America
	understand and use mechanical systems in their products (for example, gears, pulleys, cams, levers and linkages)	Law and Order 'That's All, Folks!'	A World of Bright Ideas
	understand and use electrical systems in their products (for example, series circuits incorporating switches, bulbs, buzzers and motors)		Full of Beans A World of Bright Ideas Wars of the World
	apply their understanding of computing to program, monitor and control their products		Full of Beans Wars of the World
Cooking and Nutrition	understand and apply the principles of a healthy and varied diet	Picture Our Planet LKS2 3D PSHE C1 U3 L1, 2	UKS2 3D PSHE C1 U2 L1, 2
	prepare and cook a variety of predominantly savoury dishes using a range of cooking techniques	Come Fly with Me! Africa LKS2 3D PSHE C1 U3 L4	UKS2 3D PSHE C1 U2 L2, 3
	understand seasonality and know where and how a variety of ingredients are grown, reared, caught and processed	Come Fly with Me! Africa LKS2 3D PSHE C1 U3 L1, 2, 3	