

DT Curriculum

Objective Pupils...	Year 1			Year 2		
	Homes	Flying Kites	Eat More Fruit & Veg	Puppets	Vehicles	Perfect Pizza
design purposeful, functional, appealing products for themselves and other users based on design criteria						
generate, develop, model and communicate their ideas through talking, drawing, templates, mock-ups and, where appropriate, information and communication technology						
select from and use a range of tools and equipment to perform practical tasks [for example, cutting, shaping, joining and finishing]						
select from and use a wide range of materials and components, including construction materials, textiles and ingredients, according to their characteristics						
explore and evaluate a range of existing products						
evaluate their ideas and products against design criteria						
build structures, exploring how they can be made stronger, stiffer and more stable						
explore and use mechanisms [for example, levers, sliders, wheels and axles], in their Products						
use the basic principles of a healthy and varied diet to prepare dishes						
understand where food comes from						

Objective Pupils...	Year 3			Year 4			Year 5			Year 6		
	Photo Frames	Moving Monsters	Sandwich Snacks	Pencil Cases	Torches	Seasonal Food	Moving Toys	Building Bridges	Biscuits	Fairgrounds	Shelters	Burgers
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	Orange	Green	Yellow	Orange	Green	White	Orange	Green	Yellow	Orange	Green	Yellow
generate, develop, model and communicate their ideas through discussion, annotated sketches, cross-sectional and exploded diagrams, prototypes, pattern pieces and computer-aided design	Orange	Green	White	White	Green	White	Orange	Green	White	Orange	Green	Yellow
select from and use a wider range of tools and equipment to perform practical tasks [for example, cutting, shaping, joining and finishing], accurately	Orange	Green	White	Orange	Green	White	Orange	White	White	Orange	Green	Yellow
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	Orange	Green	White	Orange	Green	White	Orange	White	White	Orange	Green	White
investigate and analyse a range of existing products	Orange	White	Yellow	Orange	Green	White	Orange	White	Yellow	Orange	Green	Yellow
evaluate their ideas and products against their own design criteria and consider the views of others to improve their work	Orange	Green	Yellow	Orange	Green	White	Orange	Green	Yellow	Orange	Green	Yellow
understand how key events and individuals in design and technology have helped shape the world	White	White	White	White	White	White	White	White	White	Orange	Green	White
apply their understanding of how to strengthen, stiffen and reinforce more complex structures	Orange	White	White	White	White	White	Orange	Green	White	White	Green	White
understand and use mechanical systems in their products [for example, gears, pulleys, cams,	White	Green	White	White	White	White	Orange	White	White	White	White	White

