

Our vision for design and technology is to inspire and encourage creativity and imagination to design and make products that solve real-world and relevant problems within a variety of contexts. Through the inspiration of past and present design and technology, they will develop a critical understanding of its impact on daily life and the wider world. Children will understand how design and technology provides

an essential contribution to the creativity, culture, wealth and well-being of the nation. In our lessons we will learn the technical and practical knowledge and combining this with design inspirations followed by a rigorous design process which will help the children achieve their design and technology milestone. Where possible they will utilise their subject knowledge from other subjects such as mathematics, science, computing and art to support development and implementation of their ideas. Children will be encouraged to take risks, become resourceful, innovative and capable citizens to enable them to tackle this fast-growing technological world in which we live.

Concepts	EYFS/KS1					Lower Key Stage 2					Upper Key Stage 2											
	1.1 What is design technology?	1.5 Slider	1.2 Structures - Stability and Strength	1.8 Portable snack	1.3 Frame Structures	1.7 Wheels and Axles Mechanisms	1.9 Couscous dish	2.1 What is design technology?	2.5 Pneumatics	2.6 Frame structures	2.9 Dips	2.8 Veg soup	2.7 Shell structures	2.3 Paper circuits	3.1 What is design technology?	3.4 Arch Structures	3.8 Food throughout the year	3.10 Bolognaise	3.6 Pulleys and gears	3.9 Bread	3.3 Electric Motors	3.5 Frame structures
Materials															, —		, —					
Structures																						
Mechanisms																						
Food and Nutrition																						
Electrics																						
Technical Knowledge																						
Practical Knowledge																						
Design inspiration																						
Design Process																						