

Design & Technology Curriculum

<u>Year group</u>	<u>Autumn Unit</u>	<u>Spring Unit</u>	<u>Summer Unit</u>
Reception			
1	Moving Pictures QCA Mechanism – sliders Potential to animate using I Can Animate app Link History – Moving picture of animal/objects that flies	Intro to gears – HT plan Mechanisms – using Gears, gears, gears construction kits.	Rising Stars: We are drinks designers Food tech Link PE – Design a healthy drink for Sports Day
2	Winding up QCA Mechanisms – pulleys Link English – Make a wind-up owl coming out of a tree	Rising Stars: We are bag designers Textiles Link English - Design a tote bag for Bob's shop on the moon	Vehicles QCA Mechanisms – wheels and axles Link English - Design a car for a Roald Dahl Character
3	Photograph frames QCA Structures Link history – make a souvenir photo frame for a pharaoh/Howard Carter/traveller to Egypt	Rising Stars: We are exhibition designers Mechanisms – sliders, levers, pop-ups Link to History – Exhibition/classroom display regarding Ancient Egypt	Moving monsters QCA Mechanism – pneumatics Link to History – make prehistoric dinosaur head
4	Moving toys – HT plan Mechanism – cams Links can be made to any subject	Rising Stars: We are lighting designers Electrical circuits with switches Design a child's night-light	Applique cushion covers Textiles/embroidery Link to English, History, RE – 1001 Nights, Ancient Baghdad, Islam
5	Thrones for the Gods – HT plan Structures Link to History – Make a throne for a Greek god	Racing cars – HT plan Motorised pulley-driven chassis Link to science – Forces	Fair ground Gears Construction, gears & circuits
6	Rising Stars: We are pop-up café designers Food tech	Rising stars: We are plant protection designers Electrical circuits/pulley-driven movement Link to science	We are t-shirt designers Textiles – screen printing Making leavers' t-shirt inspired by Katherine Hamnett