

## Design & Technology Curriculum

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