

DESIGN

Design	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6
<p>KS1: Design purposeful, functional, appealing products for themselves and other users based on design criteria.</p> <p>KS2: 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.</p>	<p>Splendid Skies Kites</p> <p>Paws, Claws and Whiskers Small World Zoo enclosure</p> <p>Enchanted Woodland Gingerbread House</p>	<p>Healthy Homes and Habitats Worry Dolls</p> <p>Street Detectives Tudor model houses Rapunzel <u>wind up</u> tower (?)</p> <p>Rumble in the Jungle Jungle <u>wind up</u> animals</p> <p>Beachcombers Finger Puppets</p>	<p>Predator Biting Predators (toy) using <u>linkages</u></p> <p>I am Warrior Roman Sandals</p> <p>Flow Bridge Design Challenge: How can [] cross the river?</p>	<p>Traders and Raiders Anglo Saxon Brooch/Cross</p> <p>Road Trip USA Family Totem Poles</p> <p>Playlist Recycled material musical Instruments Microbit sound / guitar project</p>	<p>Scream Machine Theme park cone of fries (packaging)</p> <p>Pharaohs Egyptian Shaduf, using <u>lever</u></p> <p>Revolution Christmas Nightlights, using <u>circuits, bulbs and switches</u> Code Microbit to light up when dark and integrate into a nightlight class design (link to Y4/Y6 science)</p> <p>Stargazers Moon buggy designs with <u>wheels</u></p>	<p>A Child's War Anderson Shelter</p> <p>Blood Heart Homemade stethoscope</p> <p>Gallery Rebels Create and programme a security system to protect a precious piece of art (using Microbit).</p> <p>Hola Mexico! Design and make own Mexican style meals in groups (menu design)</p> <p>Day of the Dead Hanging Sugar Skulls</p>
<p>KS1: Generate, develop, model and communicate their ideas through talking, drawing, templates, mock-ups and, where appropriate, information and communication technology.</p> <p>KS2: Generate, develop, model and communicate their ideas through discussion, annotated sketches, cross-sectional and exploded diagrams, prototypes, pattern pieces and computer-aided design.</p>	<p>Land Ahoy Boats (Science Link)</p>					

MAKE

Make	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6
<p>KS1: select from and use a range of tools and equipment to perform practical tasks [for example, cutting, shaping, joining and finishing].</p> <p>KS2: select from and use a wider range of tools and equipment to perform practical tasks [for example, cutting, shaping, joining and finishing], accurately.</p>	<p>Superheroes Fruit Salad (cutting)</p> <p>Splendid Skies Kites</p> <p>Paws, Claws and Whiskers Small World Zoo enclosure</p> <p>Enchanted Woodland Gingerbread House</p> <p>Land Ahoy Boats (Science Link)</p>	<p>Healthy Homes and Habitats Worry Dolls Fruit Kebab (cutting) Pasta Salad (cutting)</p> <p>Street Detectives Tudor model houses Rapunzel <u>wind up</u> tower (?)</p> <p>Rumble in the Jungle Jungle <u>wind up</u> animals</p> <p>Beachcombers Finger Puppets</p>	<p>Predator Biting Predators (toy) using <u>linkages</u></p> <p>Scrumdiddlyumptious Bread Design Kiddy Cook Day Smoothie</p> <p>I am Warrior Roman Sandals</p> <p>Flow Bridge Design Challenge: How can [] cross the river?</p>	<p>Traders and Raiders Anglo Saxon Brooch/Cross</p> <p>Road Trip USA Family Totem Poles Blueberry Pancakes</p> <p>Playlist Recycled material musical Instruments Microbit sound / guitar project</p>	<p>Scream Machine Theme park cone of fries (cutting)</p> <p>Pharaohs Egyptian Shaduf, using <u>lever</u></p> <p>Revolution Christmas Nightlights, using <u>circuits, bulbs and switches</u> Code Microbit to light up when dark and integrate into a nightlight class design (link to Y4/Y6 science)</p> <p>Stargazers Moon buggy designs with <u>wheels</u></p>	<p>A Child's War Anderson Shelter</p> <p>Make do and mend</p> <p>Blood Heart Homemade stethoscope</p> <p>Gallery Rebels Create and programme a security system to protect a precious piece of art (using Microbit).</p> <p>Hola Mexico! Salsa, guacamole and homemade cheese sauce made for nachos (cutting)</p> <p>Design and make own Mexican style meals in groups (cutting, menu design)</p> <p>Day of the Dead Hanging Sugar Skulls</p>
<p>KS1: Select from and use a wide range of materials and components, including construction materials, textiles and ingredients, according to their characteristics.</p> <p>KS2: 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.</p>						

EVALUATE

Evaluate	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6
<p>KS1: Explore and evaluate a range of existing products.</p> <p>KS2: Investigate and analyse a range of existing products.</p>	<p>Splendid Skies Kites</p> <p>Paws, Claws and Whiskers Small World Zoo enclosure</p> <p>Enchanted Woodland Gingerbread House</p> <p>Land Ahoy Boats (Science Link)</p>	<p>Healthy Homes and Habitats Worry Dolls</p> <p>Street Detectives Tudor model houses Rapunzel <u>wind up</u> tower (?)</p> <p>Rumble in the Jungle Jungle <u>wind up</u> animals</p> <p>Beachcombers Finger Puppets</p>	<p>Predator Biting Predators (toy) using <u>linkages</u></p> <p>I am Warrior Roman Sandals</p> <p>Flow Bridge Design Challenge: How can [] cross the river?</p>	<p>Traders and Raiders Anglo Saxon Brooch/Cross</p> <p>Road Trip USA Family Totem Poles</p> <p>Playlist Recycled material musical Instruments Microbit sound / guitar project</p>	<p>Scream Machine Theme park cone of fries (packaging)</p> <p>Pharaohs Egyptian Shaduf, using <u>lever</u></p> <p>Revolution Christmas Nightlights, using <u>circuits, bulbs and switches</u> Code Microbit to light up when dark and integrate into a nightlight class design (link to Y4/Y6 science)</p> <p>Stargazers Moon buggy designs with <u>wheels</u></p>	<p>A Child's War Anderson Shelter</p> <p>Blood Heart Homemade stethoscope</p> <p>Gallery Rebels Create and programme a security system to protect a precious piece of art (using Microbit).</p> <p>Hola Mexico! Day of the Dead Hanging Sugar Skulls</p>
<p>KS1: Evaluate their ideas and products against design criteria.</p> <p>KS2: Evaluate their ideas and products against their own design criteria and consider the views of others to improve their work.</p>			<p>I am Warrior Roman roads</p> <p>Flow Famous bridges Bridge Designer: William Brown</p>	<p>Traders and Raiders Viking longboats</p> <p>Road Trip USA Totem Poles</p>	<p>Scream Machine - Roller coaster designers</p> <p>Revolution Victorian inventions Industrial revolution</p> <p>Pharaohs Pyramids</p>	<p>A Child's War Anderson shelter inventor Sir John Anderson WWII Codebreaking machines</p> <p>Blood Heart Stethoscope inventor René Laennec</p>
<p>KS2: Understand how key events and individuals in design and technology have helped shape the world.</p>						

TECHNICAL KNOWLEDGE

Technical Knowledge	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6
<p>KS1: Build structures, exploring how they can be made stronger, stiffer and more stable.</p> <p>KS2: Apply their understanding of how to strengthen, stiffen and reinforce more complex structures</p>	<p>Splendid Skies Kites</p> <p>Paws, Claws and Whiskers Small World Zoo enclosure</p> <p>Enchanted Woodland Gingerbread House</p> <p>Land Ahoy Boats (Science Link)</p>	<p>Street Detectives Tudor model houses</p> <p>Rumble in the Jungle Jungle <u>wind up</u> animals</p> <p>Beachcombers Finger Puppets</p>	<p>Predators Biting Predators (toy) using <u>linkages</u></p> <p>I am Warrior Roman Sandals</p> <p>Flow Bridge Design Challenge: How can [] cross the river?</p>	<p>Road Trip USA Family Totem Poles</p> <p>Playlist Recycled material musical Instruments</p>	<p>Pharaohs Egyptian Shaduf, using <u>lever</u></p> <p>Stargazers Moon buggy designs with <u>wheels</u></p>	<p>A Child's War Anderson Shelter</p>
<p>KS1: Explore and use mechanisms [for example, levers, sliders, wheels and axles], in their products.</p> <p>KS2: Understand and use mechanical systems in their products [for example, gears, pulleys, cams, levers and linkages].</p>	<p>Moon Zoom Rocket <u>lever</u> picture</p>	<p>Street Detectives –Rapunzel <u>wind up</u> tower OR</p> <p>Rumble in the Jungle – Jungle <u>wind up</u> animals</p>	<p>Predators Biting Predators (toy) using <u>linkages</u></p>		<p>Pharaohs Egyptian Shaduf, using <u>lever</u>.</p> <p>Stargazers – Moon buggy designs with <u>wheels</u></p>	
<p>KS2: Understand and use electrical systems in their products [for example, series circuits incorporating switches, bulbs, buzzers and motors].</p>					<p>Revolution Christmas Nightlights, using <u>circuits, bulbs and switches</u> Code Microbit to light up when dark and integrate into a nightlight class design (link to Y4/Y6 science)</p>	<p>Gallery Rebels Create and programme a security system to protect a precious piece of art (using Microbit).</p>
<p>KS2: Apply their understanding of computing to program, monitor and control their products.</p>				<p>Playlist Microbit sound / guitar project</p>	<p>Revolution Christmas Nightlights, using <u>circuits, bulbs and switches</u> Code Microbit to light up when dark and integrate into a nightlight class design (link to Y4/Y6 science)</p>	<p>Gallery Rebels Create and programme a security system to protect a precious piece of art (using Microbit).</p>

COOKING AND NUTRITION

Cooking and Nutrition	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6
<p>KS1: Use the basic principles of a healthy and varied diet to prepare dishes.</p> <p>KS2: Understand and apply the principles of a healthy and varied diet.</p>	<p>Superheroes Fruit Salad</p>	<p>Healthy Homes and Habitats Fruit Kebab Pasta Salad</p>	<p>Scrumdiddlyumptious Bread Design Kiddy Cook Day Smoothie</p>	<p>Road Trip USA Blueberry Pancakes</p>	<p>Scream Machine Theme park cone of fries</p>	<p>Hola Mexico! Salsa, guacamole and homemade cheese sauce made for nachos Design and make own Mexican style meals in groups</p>
<p>KS2: Prepare and cook a variety of predominantly savoury dishes using a range of cooking techniques.</p>			<p>Scrumdiddlyumptious Bread Design Kiddy Cook Day Smoothie</p>	<p>Road Trip USA Blueberry Pancakes</p>	<p>Scream Machine Theme park cone of fries</p>	<p>Hola Mexico! Salsa, guacamole and homemade cheese sauce made for nachos Design and make own Mexican style meals in groups</p>
<p>KS1: Understand where food comes from.</p> <p>KS2: Understand seasonality, and know where and how a variety of ingredients are grown, reared, caught and processed.</p>	<p>Superheroes Discuss ingredients and where they come from</p>	<p>Healthy Homes and Habitats Discuss ingredients and where they come from</p>	<p>Scrumdiddlyumptious Discuss ingredients and where they come from</p>	<p>Road Trip USA Discuss ingredients and where they come from</p>	<p>Scream Machine Discuss ingredients and where they come from</p>	<p>Hola Mexico! Discuss ingredients and where they come from</p>