



	Autumn	Spring	Summer
EYFS	Joining techniques. Problem solving. Thinking about and discussing what they want to make.	Problem solving. Healthy foods/Likes and dislikes. Thinking about and discussing what they want to make. Construction.	Handling tools and choosing relevant materials. Problem solving. Looking at existing products to generate inspiration and conversation about design and designers. Teamwork to create ideas.
Year 1	Structures - Free standing structures	Mechanisms - Wheels and axles	Food - Preparing fruit and vegetables
Year 2	Textiles – templates and joining techniques	Mechanisms - Sliders and Levers	Food – healthy food and varied diet
Year 3	Mechanical Systems – levers and linkages	Textiles – 2D shape to 3D products	Food – healthy and varied diet
Year 4	Electrical Systems - Simple circuits and switches (including programming and control)	Shell Structures – including computer aided design	Food – healthy and varied diet
Year 5	Mechanical Systems - Pulleys or gears	Structures - Frame Structures	Food - Celebrating culture and seasonality (including cooking and nutrition requirements for KS2)
Year 6	Textiles - Textiles Combining different fabric shapes (including computer-aided design	Electrical Systems - More complex switches and circuits (including programming, monitoring and control	Food - Celebrating culture and seasonality (including cooking and nutrition requirements for KS2)