	Autumn		Spring	Summer	
Y3	**Mechanical Systems** Pneumatics **Project** Pneumatic monster		**Structures** Shell structures (including computer aided design - TinkerCad) **Project** Make a pencil pot or desk tidy	**Food and nutrition** Healthy and varied diet **Project** Savoury biscuits shaped like animals	**Textiles** Introduce basic stitches in preparation for year 4.
Y4	**Textiles** 2D shapes to 3D product **Project** Make a pencil case	**Mechanical Systems** Linkages and Levers Christmas Card	**Electrical Systems/Computer Control** Single circuits and switches (including computer programming and control - Crumble) **Project** Create a times table spinner using a motor	**Food and nutrition** Healthy and varied diet **Project** Bread or wrap	**Structures** Shell structures recap.
Y5	**Structures** Frame structures **Project** Make a bridge	**Textiles** Recap of basic sewing skills in preparation for year 6.	**Mechanical Systems** Pulley systems (including computer-aided design) **Project** Motorised vehicle with pulley system	**Food and nutrition** Celebrating culture and seasonality (including cooking and nutrition requirements for KS2) **Project** Seasonal soup	**Electrical Systems** Recap of electrical circuits.
Y6	**Food and nutrition** Celebrating culture and seasonality (including cooking and nutrition requirements for KS2) **Project** Seasonal pie or pasty	**Mechanical Systems** Short project focusing on gears.	**Electrical Systems/Computer Control** More complex switches and circuits (including programming, monitoring and control). **Project** Automatic night light using Crumble	**Textiles** Controlling different fabric shapes (including computer aided design - Word). **Project** Make a patchwork cushion	**Structures** Recap frame structures.