

Design and Technology Two Year Cycle

Based upon D&T Association 'Projects on a Page'

	Autumn	Spring	Summer
Inkpen and Donaldson Cycle 1	Mechanisms Sliders and Levers	Structures Freestanding structures	Food Preparing fruit and vegetables (including cooking and nutrition requirements for KS1)
Inkpen and Donaldson Cycle 2	Mechanisms Wheels and Axles	Food Preparing fruit and vegetables (including cooking and nutrition requirements for KS1)	Textiles Templates and joining techniques.
Dahl Cycle 1	Mechanical Systems Levers and linkages	Electrical Systems Simple circuits and switches (including programming and control)	Food Healthy and varied diet (including cooking and nutrition requirements for KS2)
Cycle 2	Textiles 2-D shape to 3-D product	Mechanical Systems (2*) Levers and linkages	Food Healthy and varied diet (including cooking and nutrition requirements for KS2)
Ahlberg Cycle 1	Electrical Systems Simple circuits and switches (including programming and control)	Food Healthy and varied diet (including cooking and nutrition requirements for KS2)	Structures Shell structures (including computer aided design)
Cycle 2	Structures Frame structures	Electrical Systems (2) Simple circuits and switches (including programming and control)	Food Healthy and varied diet (including cooking and nutrition requirements for KS2)
Rowling Cycle 1	Electrical Systems Using more complex switches and circuits (including programming control and monitoring)	Structures Shell structures (including computer-aided design)	Food Celebrating culture and seasonality (including cooking and nutrition requirements for KS2)
Cycle 2	Mechanical Systems Pulleys, gears or cams	Textiles Combining different fabric shapes (including computer-aided design)	Food Celebrating culture and seasonality (including cooking and nutrition requirements for KS2)

**The projects with (2) next to them are repeating the same project on a page but are to make this a different project theme and elevate the skills of those who have some coverage of this already whilst also introducing this to the other year group in the class. This will be achieved through group work or by the design criteria being open to different skill levels.*