

ACORNS			
Cycle A	How can I make an object move? Create a moving object about space using simple slider and level mechanisms	Where does our food come from? Exploring fruit and vegetables from around the world - making a fruit salad	What placemat would the queen need? Design and make a fabric placemat
	Mechanisms - sliders & levers	Food - preparing fruit and vegetables	Textiles - templates and joining techniques
Cycle B	How can I make a moving toy? Design and make a new toy for ??? using wheels and axles	How can I keep an animal safe? Design and make an enclosure to keep an animal safe	What vegetables can be used in salad? Design and make a vegetable salad
	Mechanisms - wheels & axles	Structures - free standing structures	Food - preparing fruit and vegetables

WILLOWS			
Cycle A	How can I make a moving book? Create a class book that has a mixture of sliders and levers - can the children create a page that has both mechanisms in it?	How can fruit and vegetables be used in products? Exploring products that use raw fruit and vegetables - design and make a smoothie	What outfit would my wonder woman wear? Design and make an outfit
	Mechanisms - sliders & levers	Food - preparing fruit and vegetables	Textiles - templates and joining techniques
Cycle B	What vehicle can I create? Design and make a vehicle that could of helped in the great fire of London	How can I make a stable bridge? Explore how to make bridges using different materials	How can I make a healthy snack? Design and make healthy fruit and vegetable kebabs
	Mechanisms - wheels & axles	Structures - free standing structures	Food - preparing fruit and vegetables

ELMS			
Cycle A	What can I include in a healthy packed lunch? Designing and making a healthy sandwich. Discussing other items in the packed lunch	How can I make the dragons mouth open? Design and make a dragon using pneumatics to open the mouth	How can I create a purse/ wallet? Design and make a purse/ wallet for themselves with a fastening and embellishments.
	Food - healthy and varied diet	Mechanical Systems - pneumatics	Textiles - 2D shape to 3D product
Cycle B	How can I make a healthy lunch? Designing and making a healthy lunch - design and make toasties	How can I use pneumatics in a design? Design and make a jack in the box for ????	How do I create a pencil case? Design and make a pencil case with different fastenings and decorative techniques
	Food - healthy and varied diet	Mechanical Systems - pneumatics	Textiles - 2D shape to 3D product

SYCAMORES			
Cycle A	How can I make an electronic moneybox? Design and make a product using crumble to program and control it	How do cams make things move? Design and make a window display	What is seasonality and how does it affect the food we eat? Design and make a savoury scone
	Electrical Systems - simple programming and control	Mechanical Systems - Cams	Food - culture & seasonality
Cycle B	How can levers and linkages be used? Create a Christmas card for their family that uses levers and linkages	How can I create a desk tidy? Design and make a desk tidy - they can choose who for	How can I design and control a nightlight? Design and make a product using crumble to program and control it
	Mechanisms - levers and linkages	Structures - shell structures with CAD	Electrical Systems - simple programming and control

OAKS			
Cycle A	How can I use CAD in the design process? Design and make a fabric slippers using CAD.	How can I use frame structures in my design? Design and make a structure for a new settlement	How has migration/ transport affected food choice in Britain? Discuss seasonality and how transport has impacted this/ diets have changed with the introduction of new cultures to Britain. Design and make samosas
	Textiles - using CAD in textiles/ combining different fabric shapes	Structures - frame structures	Food - culture & seasonality
Cycle B	How can I use CAD in the design process? Design and create a bag that includes pocket(s) and fastenings.	How can pulleys and gears be used in a product? Design and make a new fairground ride	How did the war affect food in Britain? Explore the impact of rationing and seasonality on the community in Britain. Design and make biscuits
	Textiles - using CAD in textiles/ combining different fabric shapes	Mechanical Systems - pulleys/ gears	Food - culture & seasonality