



DESIGN AND TECHNOLOGY CURRICULUM MAP: To be taught alongside Science topics

	Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2
LKS1 A	Food tech	Food tech	Structures and mechanisms	Textiles/ Materials	Structures and mechanisms	Food tech
Science topic	Ourselves	Our pets	Let's build	Marvellous Materials	Wonderful Weather	What's growing in our garden?
D&T design & make	-group fruit and veg using our senses: like/dislike, color, taste, texture -a healthy snack/ smoothie	-minibeast habitat -'draw' a minibeast using edible objects -puppy bed -bird feeder	-identify materials around the classroom -3 little pigs houses: straw, sticks, bricks. Recreate or substitute and test other materials (jelly/ ice/ fabric)	-mend an umbrella using different materials -teddy coat (and test) -mittens to keep us warm when handling ice	-make a wind sock to test wind direction -shadow puppets -sun hats or shelters	-growing vegetables -make a salad -what can we make from potatoes? -recipes from fruits grown on trees
LKS1 B	Food tech	Structures and mechanisms	Textiles/ Materials	Structures and mechanisms	Food tech	Food tech
Science Topic	Healthy Animals	Habitats	Materials Matter	Squash, bend, twist and stretch	Ready Steady grow!	Gardens and Allotments
D&T design & make	-recipes cooking with eggs -a healthy lunchbox -a healthy picnic	- bug hotel -bug identification calender -tent for camping	-a mop -printing with different materials -decorating fabrics	-stretchy fabrics -bouncy balls -paper bridges	-grow plants from seeds using different 'soil' e.g water, jelly, soil, paper towel -sandwichs, toasties	Playground allotment -a scarecrow -vegetable soup and bread
LKS2A	Food tech	Textiles/ Materials	Structures and mechanisms	Structures and mechanisms	Food tech	Food tech
Science Topic	Keeping Healthy	Light and Shadows	Rocks	Amazing Magnets	Plants	Artful flowers, plants and seeds
D&T design & make	-water bottle label -a healthy. balanced meal -a healthy lunchbox -Recipes from one of the 5 food groups	-puppets -silhouettes and shadow art -mirror frame	- Make structures more stable by giving them a wide base- rock containers -rock buns and containers -Mary Anning	-magnetic slime (a test) The best kite/ paper aeroplane/ airpolane - wheeled transport using force or gravity	-grow plants in different conditions -fruit recipes -vegetable recipes	-flower packets -flower art -fruit recipes -combining ingredients -weighing ingredients



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LKS2B	Structures and mechanisms	Food tech	Textiles/ Materials	Food tech	Food tech	Structures and mechanisms
Science Topic	It's Electric	States of Matter Scientists	Listen Up	Name That Living Thing	Are These Your Teeth?	Help Our Habitats
D&T design & make	-a circuit to be used in a model e.g. lego house -a lamp -a buzz wire game -photo frame	-changing foods (ice lollies, melting chocolate, baking buns) -making drinks -boiling water when cooking (evaporation)	-ear defenders or amplifiers (an investigation into which material best reduces the sounds we hear) - drums and string instruments	-recipes that use living things (meat, vegetables) and explore the food chain -follow recipes and instructions	-herbivore and carnivore recipes -healthy vs fast food -sugary foods	-home grown food recipes -fair trade -design a poster -building houses: Create shell or frame structure.
UKS2A	Structures and mechanisms	Structures and mechanisms	Food Tech	Food Tech	Textiles/ Materials	Food tech/Structures and Mechanisms
Science Topic	Space Presenters	May The Forces Be With You	Music Festivals	Changing Materials	Art Of Living	Life Explorers
D&T design & make	-papier mache planets and solar system models -make a sundial -space flag	-parachutes -levers and pulleys (moving meteorites) -gears and bikes -space buggy	-hot food (and keep it hot!) -ice cream (and keep it cold) -Picnics/snacks and their containers	-baking bread -baking cakes -decorate and finish food	-felt flower -fabric painting banner -bird nests -bird feeds and feeders	-nutritious food and growth -a fiction or non fiction book or album -birthday celebration cards
UKS2B	Structures and mechanisms	Structures and mechanisms	Food tech	Textiles/ Materials	Food tech	Food tech
Science Topic	Crime Lab Investigation	Electric celebrations	Classification Connoisseurs	The game of survival	The Art of Being Human	The Science of Sport
D&T design & make	-periscope -shadow -wanted posters (CAD)	-Blackpool illuminations -festive lights and decorations brief -lanterns and lamps -Robots/gameshows Light up bridges/ buildings	- Know where ingredients comes from/ is grown/reared: Meat, fish, dairy, veg, grain -birds and bees: wings -preparing food for someone else -use electrical equipment	-adapting for survival (boats, clothing, shelters) -designing a blanket/ sleeping bag -bags	-healthy and unhealthy foods - <i>Be aware of health and hygiene when preparing foods (wash hands, clean surfaces)</i>	-Weigh using standard measures -food for fuel - <i>Cut, grate, peel, chop ingredients foods SAFELY.</i>

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