



Orchard Academy

Design and Technology Rocket Words



Key Recurring Vocabulary	design	make	evaluate	user	purpose	ideas	product	function
	design brief	innovative	authentic	planning	mock-up	features	constraints	quality
	investigating	ingredients	appealing	prototype	aesthetics	reduce	reuse	recycle
	consumer	organisation	perseverance	negotiation	motivation	leadership	persuasion	teamwork

	KS1 Vocab		Year 3	Year 4	Year 5	Year 6
Autumn	Mechanisms	Textiles	Mechanical Systems	Structures	Mechanical Systems	Textiles
	Sliders and Levers	Templates and Joining Techniques	Levers and Linkages	Shell Structures	Cams	Combining Different Fabric Shapes
	slider	textile	mechanism	shell structure	cam	seam
	lever	template	linkage	three-dimensional (3-d)	snail cam	seam allowance
	pivot	joining	pivot	net	off-centre cam	wadding
	slot	sewing	system	prism	peg cam	appliqué
	bridge/guide	pinning	input	vertex	pear shaped cam	embroidery
	join	gluing	process	edge	follower	needle
	pull	stapling	output	face	shaft	thread
	push	tools	movement	length	crank	fastenings
	up	fabric	linear	width	handle	clasp
	down	pieces	rotary	breadth	housing	press stud
	straight	pattern	oscillating	capacity	framework	toggle
	curve	mark out	reciprocating	tabs	rotating	stem stitch
forwards	decorate	loose	adhesive	spacer	satin stitch	
backwards	finish	component	assemble	motion	chain stitch	
Spring	Structures	Food	Mechanical Systems	Textiles	Structures	Electrical Systems
	Freestanding Structures	Preparing Fruit and Vegetables	Pneumatics	2-D Shape to 3-D Product	Frame Structures	More Complex Switches and Circuits
	cut	fruit	attaching	fastening	frame structure	parallel circuit
	fold	vegetable	tubing	compartment	shelter	latching switch
	fix	soft/hard	syringe	zip	compression	push-to-make switch
	structure	juicy	plunger	button	reinforce	push-to-break switch
	weak	crunchy	pneumatic system	velcro	triangulation	reed switch
	strong	sweet/sour	compression	back stitch	stability	tilt switch
	base	flesh	pressure	running stitch	stiffen	interface
	top	skin	inflate	blanket stitch	temporary	control box
	underneath	pip	deflate	over sew stitch	permanent	sequence
	thinner	peeling	pump	seam	strut	sensor
thicker	cutting	seal	woven	tension	alarm	
shape	squeezing	air-tight	knitted	tie	flowchart	
Summer	Mechanisms		Food	Electrical Systems	Food	Mechanical Systems
	Wheels and Axles		Healthy and Varied Diets	Simple Circuits and Switches	Celebrating Culture and Seasonality	Pulleys or Gears
	vehicle	Summer Term Project KS1 Review	texture	series circuit	carbohydrate	pulley
	wheel		taste	fault	protein	drive belt
	axle		appearance	connection	vitamins	gear
	axle holder		preference	toggle switch	nutrients	mesh
	chassis		greasy	battery	gluten	gear up
	body		cook	bulb	dairy	gear down
	fixed		fresh	wire	allergy	spindle
	free		savoury	insulator	intolerance	driver
	moving		hygienic	conductor	seasonality	ratio
	mechanism		grown	crocodile clip	utensils	transmit
	tight		reared	program	fold	motor
hole	caught		device	knead	rotation	