	Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2
У1	Mechanisms	Mechanisms	Food Technology-	Food Technology-	Structures	Structures cut, fold, join, fix, structure, wall, tower, framework, weak, strong, base, top, underneath, side, surface, thinner, thicker, corner, point, straight, curved, metal, wood, plastic, circle, triangle, square, rectangle, cuboid, cube, cylinder, design, make, evaluate, user, purpose, ideas, design criteria, product, function
/ -	Sliders and Levers	Sliders and Levers	fruit salad	fruit salad	cut, fold, join, fix,	
	slider, lever, pivot,	slider, lever, pivot,	fruit names, names of	fruit names, names of	structure, wall, tower, framework, weak, strong, base, top, underneath, side, surface, thinner, thicker, corner, point, straight, curved, metal, wood, plastic, circle, triangle, square, rectangle, cuboid, cube, cylinder, design, make, evaluate, user, purpose, ideas, design criteria, product, function	
	slot, bridge/guide,	slot, bridge/guide,	equipment and	equipment and		
	card, masking tape,	card, masking tape,	utensils	utensils		
	paper fastener, join	paper fastener, join	Sensory vocabulary:	Sensory vocabulary:		
	pull, push, up, down,	pull, push, up, down,	soft, juicy, crunchy,	soft, juicy, crunchy,		
	straight, curve,	straight, curve,	sweet, sticky, smooth,	sweet, sticky, smooth,		
	forwards, backwards,	forwards, backwards,	sharp, crisp, sour,	sharp, crisp, sour,		
	design, make,	design, make,	hard, flesh, skin,	hard, flesh, skin,		
	evaluate, user,	evaluate, user,	seed, pip, core,	seed, pip, core,		
	purpose, ideas, design	purpose, ideas, design	slicing, peeling,	slicing, peeling,		
	criteria, product,	criteria, product,	cutting, squeezing,	cutting, squeezing,		
	function	function	healthy diet,	healthy diet,		
			choosing,	choosing, ingredients,		
			ingredients, planning,	planning,		
			investigating tasting,	investigating tasting,		
			arranging, popular,	arranging, popular,		
			design, evaluate,	design, evaluate,		
			criteria	criteria		

У2	Food Technology- Vegetables vegetable names, names of equipment and utensils Sensory vocabulary: soft, juicy, crunchy, sweet, sticky, smooth, sharp, crisp, sour, hard, flesh, skin, seed, pip, core, slicing, peeling, cutting, squeezing, healthy diet, choosing, ingredients, planning,	Food Technology- Vegetables vegetable names, names of equipment and utensils Sensory vocabulary: soft, juicy, crunchy, sweet, sticky, smooth, sharp, crisp, sour, hard, flesh, skin, seed, pip, core, slicing, peeling, cutting, squeezing, healthy diet, choosing, ingredients, planning,	Textiles names of existing products, joining and finishing techniques, tools, fabrics and components, template, pattern pieces, mark out, join, decorate, finish, features, suitable, quality mock- up, design brief, design criteria, make, evaluate, user, purpose, function	Textiles names of existing products, joining and finishing techniques, tools, fabrics and components, template, pattern pieces, mark out, join, decorate, finish, features, suitable, quality mock- up, design brief, design criteria, make, evaluate, user, purpose, function	Mechanisms - Wheels and Axles vehicle, wheel, axle, axle holder, chassis, body, cab, assembling, cutting, joining, shaping, finishing, fixed, free, moving, mechanism, names of tools, equipment and materials used, design, make, evaluate, purpose, user, criteria, functional	Mechanisms - Wheels and Axles vehicle, wheel, axle, axle holder, chassis, body, cab, assembling cutting, joining, shaping, finishing, fixed, free, moving, mechanism, names of tools, equipment and materials used, design, make, evaluate, purpose, user, criteria, functional
	cutting, squeezing, cutting, squeezing, healthy diet, choosing, choosing,	up, design brief, design criteria, make, evaluate, user,	design criteria, make, evaluate, user,	design, make, evaluate, purpose, user, criteria,	design, make, evaluate, purpose, user, criteria,	

У3	Textiles	Textiles	Structures	Structures	Food Technology-	Food Technology-
	2D shape to 3D	2D shape to 3D	shell structure,	shell structure,	Healthy sandwich/	healthy sandwich/
	product fabric, names of	product fabric, names of	three-dimensional (3-	three-dimensional (3-	wrap	wrap
		•	D) shape, net, cube,	D) shape, net, cube,	name of products,	name of products,
	fabrics, fastening,	fabrics, fastening,	cuboid, prism,	cuboid, prism,	names of equipment,	names of equipment,
	compartment, zip,	compartment, zip,			utensils, techniques and ingredients	utensils, techniques and ingredients
	button, structure,	button, structure,	vertex, edge, face,		and ingredients	and ingredients
	finishing technique,	finishing technique,	length, width,	length, width,	texture, taste,	texture, taste,
	strength, weakness,	strength, weakness,	breadth, capacity	breadth, capacity	sweet, sour, hot,	sweet, sour, hot,
	stiffening, templates,	stiffening, templates,	marking out, scoring,	marking out, scoring,	spicy, appearance,	spicy, appearance,
	stitch, seam, seam	stitch, seam, seam	shaping, tabs,	shaping, tabs,	smell, preference, greasy, moist, cook,	smell, preference, greasy, moist, cook,
	allowance, user,	allowance, user,	adhesives, joining,	adhesives, joining,	fresh, savoury	fresh, savoury
	purpose, design,	purpose, design,	assemble, accuracy,	assemble, accuracy,	·	·
	model, evaluate,	model, evaluate,	material, stiff,	material, stiff,	hygienic, edible,	hygienic, edible,
	prototype, annotated	prototype, annotated	strong, reduce, reuse,	strong, reduce, reuse,	grown, reared, caught, frozen,	grown, reared, caught, frozen,
	sketch, functional,	sketch, functional,	recycle, corrugating,	recycle, corrugating,	tinned, processed,	tinned, processed,
	innovative,	innovative,	ribbing, laminating	ribbing, laminating	seasonal, harvested	seasonal, harvested
	investigate, label,	investigate, label,	font, lettering, text,	font, lettering, text,	healthy/varied diet	healthy/varied diet
	drawing, aesthetics,	drawing, aesthetics,	graphics, decision,	graphics, decision,	planning, design	planning, design
	function, pattern	function, pattern	evaluating, design	evaluating, design	criteria, purpose,	criteria, purpose,
	pieces	pieces	brief design criteria,	brief design criteria,	user, annotated sketch, sensory	user, annotated
			innovative, prototype	innovative, prototype	evaluations	sketch, sensory evaluations

Food Technology-У4 Toastie name of products, names of equipment. utensils, techniques and ingredients. texture, taste, sweet, sour, hot, spicy, appearance, smell, preference, greasy, moist, cook, fresh, savoury, hygienic, edible, grown, reared, caught, frozen, tinned, processed, seasonal, harvested healthy/varied diet, planning, design criteria, purpose, user, annotated sketch, sensory evaluations

Food Technology-Toastie

name of products, names of equipment. utensils, techniques and ingredients, texture, taste, sweet, sour, hot, spicy, appearance, smell, preference, greasy, moist, cook, fresh, savoury, hygienic, edible, grown, reared, caught, frozen, tinned, processed, seasonal, harvested healthy/varied diet, planning, design criteria, purpose, user, annotated sketch, sensory evaluations

Mechanical Systems

Systems
Levers and Linkages
mechanism, lever,
linkage, pivot, slot,
bridge, guide system,
input, process, output,
linear, rotary,
oscillating,
reciprocating, user,
purpose, function,
prototype, design
criteria, innovative,
appealing, design
brief

Mechanical Systems

Levers and Linkages mechanism, lever, linkage, pivot, slot, bridge, guide system, input, process, output, linear, rotary, oscillating, reciprocating, user, purpose, function, prototype, design criteria, innovative, appealing, design brief

Electrical Systems Simple circuits and switches

series circuit, fault, connection, toggle switch, push-to-make switch, push-to-break switch, battery, battery holder, bulb, bulb holder, wire, insulator, conductor, crocodile clip, control, program, system, input device, output device, user, purpose, function, prototype, design criteria, innovative, appealing, design brief

Simple programming and control

series circuit, fault, connection, toggle switch, push-to-make switch, push-to-break switch, battery, battery holder, light emitting diode (LED), bulb, bulb holder, USB cable, wire, insulator, conductor, crocodile clip, control, program, system,

Electrical Systems Simple circuits and switches

series circuit, fault. connection, toggle switch, push-to-make switch, push-to-break switch, battery, battery holder, bulb, bulb holder, wire, insulator, conductor, crocodile clip, control, program, system, input device, output device, user, purpose, function, prototype, design criteria, innovative, appealing, design brief

Simple programming and control

series circuit, fault, connection, toggle switch, push-to-make switch, push-to-break switch, battery, battery holder, light emitting diode (LED), bulb, bulb holder, USB cable, wire, insulator, conductor, crocodile clip, control,

					input device, output device, process user, purpose, function, prototype, design criteria, innovative, appealing, design brief	program, system, input device, output device, process user, purpose, function, prototype, design criteria, innovative, appealing, design brief
У5	Food Technology-	Food Technology-	Mechanical Systems	Mechanical Systems	Structures	Structures
, 0	Bread	Bread	reed switch, toggle	reed switch, toggle	frame structure,	frame structure,
	ingredients, yeast,	ingredients, yeast,	switch, push-to-make	switch, push-to-make	stiffen, strengthen,	stiffen, strengthen,
	dough, bran, flour,	dough, bran, flour,	switch, push-to-break	switch, push-to-break	reinforce,	reinforce,
	wholemeal,	wholemeal,	switch, light	switch, light	triangulation,	triangulation,
	unleavened, baking	unleavened, baking	dependent	dependent	stability, shape, join,	stability, shape, join,
	soda, spice, herbs,	soda, spice, herbs,	resistor (LDR), tilt	resistor (LDR), tilt	temporary, permanent	temporary, permanent
	fat, sugar,	fat, sugar,	switch, light emitting	switch, light emitting	design brief, design	design brief, design
	carbohydrate,	carbohydrate,	diode (LED),	diode (LED),	specification,	specification,
	protein, vitamins,	protein, vitamins,	bulb, bulb holder,	bulb, bulb holder,	prototype,	prototype,
	nutrients, nutrition,	nutrients, nutrition,	battery, battery	battery, battery	annotated sketch,	annotated sketch,
	healthy, varied,	healthy, varied,	holder, USB cable,	holder, USB cable,	purpose, user,	purpose, user,
	gluten, dairy, allergy,	gluten, dairy, allergy,	wire, insulator,	wire, insulator,	innovation, research,	innovation, research,
	intolerance, savoury,	intolerance, savoury,	conductor,	conductor,	functional	functional
	source, seasonality,	source, seasonality, utensils, combine,	crocodile clip	crocodile clip		
	utensils, combine,		control, program,	control, program,		
	fold, knead, stir, pour, mix, rubbing in, whisk,	fold, knead, stir, pour, mix, rubbing in, whisk,	system, input device, output, device, series	system, input device, output, device, series		
	beat, roll out, shape,	beat, roll out, shape,	circuit, parallel circuit	circuit, parallel circuit		
	sprinkle, crumble,	sprinkle, crumble,	function, innovative,	function, innovative,		
	design specification,	design specification,	design specification,	design specification,		
	innovative, research,	innovative, research,	design brief, user,	design brief, user,		
	evaluate, design brief	evaluate, design brief	purpose	purpose		
У6	Electrical Systems	Electrical Systems	Textiles	Textiles	CAMS	CAMS
70	series circuit,	series circuit,	seam, seam allowance,	seam, seam allowance,	Cogs and	Cogs and
	parallel circuit,	parallel circuit,	wadding, reinforce,	wadding, reinforce,	Mechanisms	Mechanisms
	pa. a	F = , a.i.o. o.i oai i ,	right side, wrong side,	right side, wrong side,	1416CHUHI31113	1416CHUHI31 13

names of switches and components, input device, output device, system, monitor, control, program, flowchart function, innovative, design specification, design brief, user, purpose

Monitoring and Control

reed switch, toggle switch, push-to-make switch, push-to-break switch, light dependent resistor(LDR), tilt switch light emitting diode (LED), bulb. bulb holder. battery, battery holder, USB cable, wire, insulator, conductor. crocodile clip, control, program, system, input device, output device, series circuit, parallel circuit function, innovative,

names of switches and components, input device, output device, system, monitor, control, program, flowchart function, innovative, design specification, design brief, user, purpose

Monitoring and Control

reed switch, toggle switch, push-to-make switch_push-to-break switch, light dependent resistor(LDR), tilt switch light emitting diode (LED), bulb, bulb holder. battery, battery holder, USB cable, wire, insulator, conductor, crocodile clip. control, program. system, input device, output device, series circuit, parallel circuit function,

hem, template, pattern pieces name of textiles and fastenings used, pins, needles, thread, pinking shears, fastenings, iron transfer paper design criteria, annotate, design decisions. functionality, innovation, authentic, user, purpose, evaluate, mock-up, prototype

hem, template, pattern pieces name of textiles and fastenings used, pins, needles, thread, pinking shears, fastenings, iron transfer paper design criteria. annotate, design decisions. functionality, innovation, authentic, user, purpose, evaluate, mock-up, prototype

cam, snail cam, offcentre cam, peg cam, pear shaped cam follower, axle, shaft, crank, handle, housing, framework, rotation. rotary motion, oscillating motion, reciprocating motion, annotated sketches, exploded diagrams mechanical system, input movement, process, output movement, design decisions, functionality, innovation, authentic, user, purpose, design specification, design brief

cam, snail cam, offcentre cam, peg cam, pear shaped cam follower, axle, shaft, crank, handle, housing, framework, rotation. rotary motion, oscillating motion, reciprocating motion, annotated sketches, exploded diagrams mechanical system, input movement, process, output movement, design decisions, functionality, innovation, authentic, user, purpose, design specification, design brief

des	sign specification,	innovative, design		
des	sign brief, user,	specification, design		
pur	rpose	brief, user, purpose		