

Keevil CofE Academy Design and Technology Vocabulary Progression

		EYFS*	KS1*	Lower KS2*	Upper KS2*
Design	PRIOR LEARNING		<ul style="list-style-type: none"> Experiment Investigation Prediction Variable 	<ul style="list-style-type: none"> Alternative Carton Client Design Experiment Investigation Net Prediction Template Variable 	<ul style="list-style-type: none"> 2D shapes 3D shapes Alternative Carton Client Design Design criteria Experiment Exploded-diagram Feature Function Investigation Net Prediction Template Variable
	NEW LEARNING	<ul style="list-style-type: none"> Experiment Investigation Prediction Variable 	<ul style="list-style-type: none"> Alternative Carton Client Design Net Template 	<ul style="list-style-type: none"> 2D shapes 3D shapes Design criteria Exploded-diagram Feature Function 	<ul style="list-style-type: none"> Adapt Aesthetic Budget Caption Computer-aided design (CAD) Design brief Design criteria Exploded-diagram Idea Mark out Natural materials Net Plan view Prototype Sketch Target audience Template Unit of measurement
	EXTENSION				
Make	PRIOR LEARNING		<ul style="list-style-type: none"> Bend Blade Blend Blender Boil Chop Chopping board Cut Edge Fix Handle Hob Join Knife Materials Measure Metal Mix Saucepan Scissors Slice Slot Stick Tool 	<ul style="list-style-type: none"> Bend Blade Blend Blender Boil Chop Chopping board Cut Edge Fix Handle Hob Ingredients Join Knife Materials Measure Metal Mix Model Peel Peeler Recipe Refrigerator Saucepan Scissors Slice Slot Smoothie Stencil Stick Substitute Sugar Tool 	<ul style="list-style-type: none"> Bend Blade Blend Blender Boil Chop Chopping board Cut Edge Fix Handle Hob Ingredients Join Knife Materials Measure Metal Mix Model Peel Peeler Recipe Refrigerator Saucepan Scissors Score Slice Slot Smoothie Stencil Stick Structure Substitute Sugar Tab Tool
	NEW LEARNING	<ul style="list-style-type: none"> Bend Blade Blend Blender Boil Chop Chopping board Cut Edge Fix Handle Hob Join Knife Materials 	<ul style="list-style-type: none"> Ingredients Model Peel Peeler Recipe Refrigerator Smoothie Stencil Substitute Sugar 	<ul style="list-style-type: none"> Scoring Structure Tab 	<ul style="list-style-type: none"> Apparatus Bench hook Cladding Cooling rack Coping saw Creaming Dowel Equipment Flavour Jelutong Method Quantity Reinforce Rubbing Sieving

		<ul style="list-style-type: none"> ● Measure ● Metal ● Mix ● Saucepan ● Scissors ● Slice ● Slot ● Stick ● Tool 			
	EXTENSION				
Evaluate	PRIOR LEARNING		<ul style="list-style-type: none"> ● Packaging ● Safety 	<ul style="list-style-type: none"> ● Evaluation ● Expensive ● Packaging ● Safety ● Test 	<ul style="list-style-type: none"> ● Evaluate ● Evaluation ● Expensive ● Packaging ● Safety ● Test
	NEW LEARNING	<ul style="list-style-type: none"> ● Packaging ● Safety 	<ul style="list-style-type: none"> ● Evaluation ● Expensive ● Test 	<ul style="list-style-type: none"> ● Evaluate 	<ul style="list-style-type: none"> ● Adapt ● Feedback ● Fine motor skills ● Fit for purpose ● Form ● Function ● Gross motor skills ● Modify ● Prototype
	EXTENSION				
Technical Knowledge Cooking & Nutrition	PRIOR LEARNING		<ul style="list-style-type: none"> ● Plastic ● Recyclable ● Reusable ● Vegetables 	<ul style="list-style-type: none"> ● Balanced diet ● Diet ● Fruit ● Healthy ● Nutrients ● Plastic ● Recyclable ● Reusable ● Vegetables 	<ul style="list-style-type: none"> ● Balanced diet ● Climate ● Diet ● Dry climate ● Exported ● Fruit ● Healthy ● Imported ● Mediterranean climate ● Nationality ● Nutrients ● Plastic ● Polar climate ● Recyclable ● Reusable ● Seasonal food ● Seasons ● Temperate climate ● Tropical climate ● Vegetables
	NEW LEARNING	<ul style="list-style-type: none"> ● Plastic ● Recyclable ● Reusable ● Vegetables 	<ul style="list-style-type: none"> ● Balanced diet ● Diet ● Fruit ● Healthy ● Nutrients 	<ul style="list-style-type: none"> ● Climate ● Dry climate ● Exported ● Imported ● Mediterranean climate ● Nationality ● Polar climate ● Seasonal food ● Seasons ● Temperate climate ● Tropical climate 	<ul style="list-style-type: none"> ● Utilities
	EXTENSION				
Technical Knowledge Structures			<ul style="list-style-type: none"> ● Absorb ● Float ● Junk ● Sink ● Waterproof 	<ul style="list-style-type: none"> ● Absorb ● Castle ● Facade ● Flag ● Float ● Junk ● Recyclable ● Sink ● Stable ● Strong ● Waterproof ● Weak ● Windmill 	<ul style="list-style-type: none"> ● Absorb ● Castle ● Facade ● Flag ● Float ● Junk ● Recyclable ● Sink ● Stable ● Strong ● Waterproof ● Weak ● Windmill
	NEW LEARNING	<ul style="list-style-type: none"> ● Absorb ● Float ● Junk ● Sink ● Waterproof 	<ul style="list-style-type: none"> ● Stable ● Strong ● Weak ● Windmill 	<ul style="list-style-type: none"> ● Castle ● Facade ● Flag ● Recyclable 	<ul style="list-style-type: none"> ● Landscape ● Playground ● Tenon saw ● Texture ● User ● Vice

	EXTENSION				
Technical Knowledge Mechanisms Mechanical Systems	PRIOR LEARNING			<ul style="list-style-type: none"> ● Axle ● Axle holder ● Chassis ● Fix ● Mechanic ● Mechanism ● Wheel 	<ul style="list-style-type: none"> ● Axle ● Axle holder ● Chassis ● Fix ● Input ● Lever ● Linkage ● Mechanic ● Mechanism ● Motion ● Net ● Output ● Pivot ● Pneumatic system ● Thumbnail sketch ● Wheel
	NEW LEARNING		<ul style="list-style-type: none"> ● Axle ● Axle holder ● Chassis ● Fix ● Mechanic ● Mechanism ● Wheel 	<ul style="list-style-type: none"> ● Input ● Lever ● Linkage ● Motion ● Net ● Output ● Pivot ● Pneumatic system ● Thumbnail sketch 	<ul style="list-style-type: none"> ● Slider ● Structure
	EXTENSION				
Technical Knowledge Electrical Systems	PRIOR LEARNING				<ul style="list-style-type: none"> ● Battery ● Bulb ● Buzzer ● Cell ● Component ● Conductor ● Copper ● Electrical item ● Electricity ● Electronic item ● Insulator ● Series circuit ● Switch ● Test ● Torch ● Wire
	NEW LEARNING			<ul style="list-style-type: none"> ● Battery ● Bulb ● Buzzer ● Cell ● Component ● Conductor ● Copper ● Electrical item ● Electricity ● Electronic item ● Insulator ● Series circuit ● Switch ● Test ● Torch ● Wire 	<ul style="list-style-type: none"> ● Assemble ● Battery pack ● Benefit ● Bulb holder ● Circuit ● Circuit symbol ● Component ● Insulator ● LED ● User
	EXTENSION				

Our Areas of focus: <i>Bold: main focus</i>	EYFS <i>Repeated both rotations</i>	KS1	LKS2	UKS2
Cooking & Nutrition	<p><u>Soup</u></p> <p>Food: Soup ● Fruit ● Vegetables ● Safety ● Knife ● Blade ● Tool ● Edge ● Handle ● Chop ● Slice ● Cut ● Saucepan ● Blender ● Chopping board ● Hob ● Boil ● Blend ● Mix ● Packaging ● Recyclable ● Metal ● Plastic ● Reusable</p>	<p><u>A Balanced Diet</u></p> <p>● Alternative ● Diet ● Balanced diet ● Evaluation ● Expensive ● Healthy ● Ingredients ● Nutrients ● Packaging ● Refrigerator ● Sugar ● Substitute</p> <p><u>Fruit and Vegetables</u></p> <p>● Blender ● Carton ● Fruit ● Healthy ● Ingredients ● Peel ● Peeler ● Recipe ● Slice ● Smoothie ● Stencil ● Template ● Vegetable</p>	<p><u>Eating Seasonally</u></p> <p>● Climate ● Dry climate ● Exported ● Imported ● Mediterranean climate ● Nationality ● Nutrients ● Polar climate ● Recipe ● Seasonal food ● Seasons ● Temperate climate ● Tropical climate</p>	<p><u>Adapting a Recipe</u></p> <p>● Adapt ● Budget ● Cooling rack ● Creaming ● Equipment ● Evaluation ● Flavour ● Ingredients ● Method ● Net ● Packaging ● Prototype ● Quantity ● Recipe ● Rubbing ● Sieving ● Target audience ● Unit of measurement ● Utilities</p>
Structures:	<p><u>Junk Modelling</u></p> <p>Join ● Stick ● Cut ● Bend ● Slot ● Scissors ● Measure ● Materials ● Fix</p> <p><u>Boats</u></p> <p>● Waterproof ● Absorb ● Prediction ● Variable ● Experiment ● Investigation ● Float ● Sink ● Junk</p>	<p><u>Constructing a Windmill</u></p> <p>● Client ● Design ● Evaluation ● Net ● Stable ● Strong ● Test ● Weak ● Windmill</p>	<p><u>Constructing a castle</u></p> <p>● 2D shapes ● 3D shapes ● Castle ● Design criteria ● Evaluate ● Facade ● Feature ● Flag ● Net ● Recyclable ● Scoring ● Stable ● Strong ● Structure ● Tab ● Weak</p>	<p><u>Playgrounds</u></p> <p>● Adapt ● Apparatus ● Bench hook ● Cladding ● Coping saw ● Design ● Dowel ● Evaluation ● Feedback ● Idea ● Jelutong ● Landscape ● Mark out ● Measure ● Modify ● Natural materials ● Plan view ● Playground ● Prototype ● Reinforce ● Sketch ● Strong ● Structure ● Tenon saw ● Texture ● User ● Vice ● Weak</p>
Mechanisms /Mechanical Systems		<p><u>Wheels and Axels</u></p> <p>● Axle ● Axle holder ● Chassis ● Design ● Evaluation ● Fix ● Mechanic ● Mechanism ● Model ● Test ● Wheel</p>	<p><u>Pneumatic Toys</u></p> <p>● Exploded-diagram ● Function ● Input ● Lever ● Linkage ● Mechanism ● Motion ● Net ● Output ● Pivot ● Pneumatic system ● Thumbnail sketch</p>	<p><u>Pop-up book</u></p> <p>● Aesthetic ● Computer-aided design (CAD) ● Caption ● Design ● Design brief ● Design criteria ● Exploded-diagram ● Function ● Input ● Linkage ● Mechanism ● Motion ● Output ● Pivot ● Prototype ● Slider ● Structure ● Template</p>
Electrical Systems			<p><u>Torches</u></p> <p>● Battery ● Bulb ● Buzzer ● Cell ● Component ● Conductor ● Copper ● Design criteria ● Electrical item ● Electricity ● Electronic item ● Function ● Insulator ● Series circuit ● Switch ● Test ● Torch ● Wire</p>	<p><u>Steady Hand Game</u></p> <p>● Assemble ● Battery ● Battery pack ● Benefit ● Bulb ● Bulb holder ● Buzzer ● Circuit ● Circuit symbol ● Component ● Conductor ● Copper ● Design ● Design criteria ● Evaluation ● Fine motor skills ● Fit for purpose ● Form ● Function ● Gross motor skills ● Insulator ● LED ● User</p>