



Design Technology
Coverage and Key Vocabulary Progression



“To enable children to make sense of the ‘made world’ in which they live through applying their substantive and disciplinary knowledge to design solutions to solve problems, preparing them for work in design industries.”

	Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2
Cycle A						
EYFS	Art Focus	Cutting and Joining	Art Focus	Art Focus – Sculpture with a DT link	Art Focus	Healthy Eating/Cutting
Focus		<ul style="list-style-type: none"> Design and evaluate (in construction area) cutting see cutting progression Joining 		<ul style="list-style-type: none"> Sculpture - Use natural materials to create a sculpture 		<ul style="list-style-type: none"> Healthy Eating and /cutting <p><i>Learn about healthy eating habits and dental hygiene.</i></p> <p>DT</p> <p><i>Link to ‘promote good oral health’ - safeguarding and welfare requirements</i></p>
Key Vocabulary		Design Make Evaluate Labels Opinion Uses Features Compare Model Purpose Improve Cut Slice Push Pull Forwards Backwards Press Stick Join Safe		Spread Lift Shape Tall Short Wide Narrow Texture		Ingredients Mix Stir Pour Shake Teaspoon Table spoon Cup Measure Healthy Balanced Diet Clean Dirty Healthy Routine Safety



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Year 1 and 2	Art Focus	Sliders and Levers Moving Pictures traditional tales (twinkl)	Art Focus	Sensational Salads (Twinkl) (Cooking and nutrition)	Art Focus	Structures Paper folding experiment.
Key Vocabulary		<ul style="list-style-type: none"> • Slider • Lever • Push • Pull • mechanism, • movement • motion • design • Model • Change • Improve • Design • Make • Evaluate • Design brief • Design criteria 		<ul style="list-style-type: none"> • Cut • Chop • Slice • Mix • Pour • Dressing • Zest • Food hygiene • Protein • Carbohydrate • Vegetable • fruit • dairy • Fork secure • Bridge hold 		<ul style="list-style-type: none"> • Build • Join • Combine • Construct • Assemble • Structure • Stable • Rigid • Strengthen • Support • Height • Width • Design • Make • Evaluate • Design brief • Design criteria



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Year 3 and 4	ART	Edible Garden (Twinkl)		Pneumatics	Art	Textiles
Key Vocabulary		<ul style="list-style-type: none"> • 1 and 2 Vocabulary plus • Fruit and vegetables; • Bread, rice, potatoes, pasta and other starchy foods • Carbohydrates and starches. • Milk and dairy foods • Meat, fish, eggs, beans and other non-dairy sources of protein; • • Foods and drinks high in fat and/or sugar. • Sugars and fats • Seasonality • Flavour • Home grown • Naturally grown • Organically grown • Produce • Millilitre • Degrees Celsius 		<ul style="list-style-type: none"> • Brainstorm • Suggestion • Evaluate • idea • constraints • probable • possible • impossible • planning • components • fixing • tubing • syringe • attaching • finishing • control • pneumatic system • pressure • inflate • deflate • input • output • pump • fastest slowest 		<ul style="list-style-type: none"> • Fabric • Design • Purpose • running stitch • invisible stitch • back stitch • whip stitch • tacking stitches • hemming stitch • Applique • Measure • Mark out • Pin • Tac • Tape • Hem • Cm/mm



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Year 5 and 6		Cross Sectional Diagrams		Super Seasonal Cooking		Mechanical Systems – Pulleys or Gears
Key Vocabulary		<ul style="list-style-type: none"> • Surface • Profile • Sliced through • Cross sectional • Cutting plane • Engineering • Cross section shape • Horizontal • Vertical • Inter-section • Parallel 		Year 3 and 4 plus: <ul style="list-style-type: none"> • Grown • Reared • Caught • Processed • Organic • Season • Meat handling • Storage • Hygiene • Food safety • adjusting: <ul style="list-style-type: none"> cooking times ingredients methods temperatures cross contamination bacteria 		<ul style="list-style-type: none"> • pulley • drive belt • Gear • Rotation • Spindle • Driver • Follower • Ratio • Transmit • Axle • annotated drawings • exploded diagrams • mechanical system • input • process • output • design decisions • functionality • innovation • authentic • user • purpose • design specification design brief
Cycle B						



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EYFS		Cutting and Joining	Art -Sculpture with links to DT	Art	Healthy Eating/Cutting	
Focus		DT in child initiated Focus – Joining Making a habitat for the animals? (linking with the science to keep the animals dry?)	Use a variety of malleable materials to create form – playdough, salt dough, corn flour		<i>Learn about healthy eating habits and dental hygiene.</i> DT <i>Link to ‘promote good oral health’ – safeguarding and welfare requirements</i>	
Key Vocabulary		Design Make Evaluate Labels Opinion Uses Features Compare Model Purpose Improve Cut Slice Push Pull Forwards Backwards Press Stick Join Safe Purpose	Spread Lift Shape Tall Short Wide Narrow Texture		Ingredients Mix Stir Pour Shake Teaspoon Table spoon Cup Measure Healthy Balanced Diet peel Clean Dirty Healthy Safety	



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		Use				
Year 1 and 2	Sliders and Levers Moving Pictures traditional tales (twinkl)		Sensational Salads (Twinkl) (Cooking and nutrition)		Structures- Paper folding experiment.	
Key Vocabulary	<ul style="list-style-type: none"> • Slider • Lever • Push • Pull • mechanism, • movement • motion • design • Model • Change • Improve • Design • Make • Evaluate • Design brief Design criteria		<ul style="list-style-type: none"> • Cut • Chop • Slice • Mix • Pour • Dressing • Zest • Food hygiene • Protein • Carbohydrate • Vegetable • fruit • dairy • Fork secure Bridge hold		<ul style="list-style-type: none"> • Build • Join • Combine • Construct • Assemble • Structure • Stable • Rigid • Strengthen • Support • Height • Width • Design • Make • Evaluate • Design brief • Design criteria 	
Year 3 and 4	Art Focus	Exploded diagrams Great examples can be downloaded from the Lego website.	Art Focus	Mechanisms Moving pictures Using levers, linkages (Twinkl)	Art Focus	Skyline with lights Battery operated lights (Twinkl)



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Key Vocabulary		<ul style="list-style-type: none"> • Diagram • Exploded diagram • Components • Assemble • Disassemble • Construction • Labelling • Annotations • Together • Joined • Apart 		<ul style="list-style-type: none"> • levers • linkages • Loose pivot • fixed pivot • Split pins • Measure • Score • Assemble • components • Design Specification • Design Brief • Final design <p>Fit for purpose</p>		<ul style="list-style-type: none"> • Circuit • Switch • Wire • Complete circuit • Battery • Lightbulb • Series circuit • Parallel circuit • Aesthetic qualities • Functional qualities • City • Horizon • Skyline • Buildings • Size • Outline • Structure • Height/width/depth <p>Purpose</p>
Year 5 and 6		Automata Animals (Twinkl) Using CAMS in a range of ways.		Textiles Cross stitching for Easter cards		Global Food (Twinkl)
Key Vocabulary		<ul style="list-style-type: none"> • Research • Design criteria • Measure • mark out • score • dowel • square section • guide • mechanical • device • Framework 		<ul style="list-style-type: none"> • Binca • Aida • Cross stitch • Straight stitch • Back stitch • Running stitch • Invisible stitch • Plan 		<ul style="list-style-type: none"> • Additives • Nutritional value • Appearance • Appetite • Appetiser • Aroma • Balance • Condiments • Flavouring • Fragrant • Garnish



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		<ul style="list-style-type: none">• Handle• mechanism• cam• slider• follower• linear movement• rotary movement• axle precision				<ul style="list-style-type: none">• Marinade• Spices• Spores• Bacteria• Food poisoning• peeling• juicing• dicing baking
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