

Progression in DT

Curriculum Driver	s: Well-being, Di	iversity & Inclu	sion, Real-life ex	periences, Orac	y, Vocabulary De	evelopment	
Early Years	Design and Technology (DT) in Early Years is taught through first-hand experiences. Children are encouraged to explore, observe, solve problems, think critically, make decisions and talk about why have made those decisions. All of this is facilitated through the planning of the EYFS's Expressive Arts and Design development. Expressive Arts and Design encompasses a wide breadth of creative areas, such as listening and responding to music, singing, dancing and performing, experimenting with colour mixing and different textures, creating models, for example, junk modelling, cooking, small world, construction and role play.						
Cultural Capital (visitors, trips,	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6	
competitions, experiences)	Tasting a variety of food from around the world Home learning grid Cultural celebrations Week French Café	Home learning grid Pizza Making Cultural celebration Tasting a variety of food French Café	Craft Club Home learning grid Bread Making DT competition Cultural celebration French Café	Craft Club Seasonal foods DT competition Cultural celebrations week French Café Discussing accessibility when designing a product, {disabilities}	Fashion & textiles HT project Tasting/studying bread products from different parts of the world Studying fashion from different cultures French Café	Light decorations linked to religious festivals Comparing burgers from around the world Develop awareness of allergies and providing food that is safe for all Explore bridges from around the world Links with geography topics French Café	

SUBSTANTIVE KNOWLEDGE							
Topics and vocab	Moving Pictures Moving mechanism Sliding mechanism Wheel mechanism Levers Pivots Homes Investigate Materials Interior Design House Eat more fruit and vegetables Fruit Vegetables Food groups Variety Recipe	PuppetsMaterialsFeaturesPurposeSewing techniquesFinger puppetsPerfect PizzasPizza toppingsBalanced plateBread-basedVehiclesFeaturesFunctionsAxles and chassis	Moving Santas Pneumatic systems Examine Sketch Plan Label Design Evaluate prototype Photograph Frames Free -standing objects Strengthening Paper & card Prototype Sandwich Snacks Nutritional content Grouping food Healthy Diet Bread Filling	Alarms Alarm system Purpose Scenarios Money Containers Decoration Hand sewing techniques Templates Seasonal Food Farming methods Ripening Seasonal Healthy Diet Quality Assurance Mark	Bread Nutritional content Surveys Ingredients Plaiting Recipe Fashion and Textiles Natural and synthetic textiles Fashion designers Pattern pieces Moving Toys Mechanisms Cam mechanism Linear movement	Electric Light Decorations Electric motors Rotate Circuit Appearance - aesthetics Bridges Beam Deck Pillar Truss Arch Suspension bridge Compression force Burgers Nutrition facts Burger patties Burger bun Flavour, texture, appearance	
DISCIPLINARY KNOWLEDGE							
	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6	

Design	Find out information	Discuss items (focus	Identify features of	Investigate local food	Bread	Research current
<u> </u>	about focus item	item for unit of	an item (focus item	production	Fashion & Textiles	examples of the
	(materials, features,	work) in terms of	for unit of work).	techniques.	Moving Toys	outcome for the unit.
	purpose).	features, materials				
		and purpose.	Learn how focus	Generate ideas,	<mark>Research current</mark>	Communicate their
	Draw on their own		items work.	considering the	examples of the	ideas through
	experience to help	Generate ideas by		purposes for which	outcome for the unit.	detailed labelled
	generate ideas.	drawing on their	Generate ideas for an	they are designing.		drawings.
		own and other	item, considering its		<mark>Generate ideas</mark>	
	Suggest ideas and	people's	purpose and the	Make labelled	through	Develop a design
	explain what they	experiences.	user/s.	drawings from	brainstorming and	specification that
	are going to do.	Develop their	Identify a purpose	different views	surveys and identify a	meets a design brief.
		design ideas	and establish criteria	showing specific	purpose for their	
	Identify a target	through discussion,	for a successful	features.	product.	Explore, develop,
	group for what they	observation,	product.			analyse and
	intend to design and	drawing and		Develop a clear idea	<mark>Draw up a</mark>	communicate aspects
	make.	modelling.	Plan the order of	of what has to be	specification for their	and technical
		_	work before starting.	done, planning how	design.	features of their
	Model their ideas in	Identify a purpose		to use materials,		design proposals by
	card and paper.	for what they	Explore, develop and	equipment and	Develop a clear idea	modelling their ideas
		intend to design	communicate design	processes, and	of what has to be	in a variety of ways.
	Develop their design	and make.	proposals by	suggesting	done, planning and	
	ideas applying		modelling and ideas	alternative methods	practising how to use	Plan the order of
	findings from earlier	Identify simple	(and collecting data).	of making, if the first	materials, equipment	their work, choosing
	research (including	design criteria.		attempts fail.	and processes, and	appropriate
	class surveys).	0	Make drawings with	•	suggesting	materials, tools and
	, ,	Make simple	labels when	Evaluate products	alternative methods	techniques.
		drawings and label	designing.	and identify criteria	of making if the first	
		parts.	0 0	, that can be used for	attempts fail.	
				their own designs.		
					Use results of	
					investigations,	
					information sources,	
					including ICT when	
					developing design	
					ideas.	
					iucas.	

N Aelee	Make their design	Follow design to	Follow design	Use design plan to	Bread	Select appropriate
Make	using appropriate	make the focus	instructions to make	guide the assembly of	Fashion & Textiles	tools, materials,
	techniques.	item.	final product.	the product.	Moving Toys	components and
	teeninquest					techniques.
	With help, measure,	Begin to select tools	Select tools and	Select appropriate		ceoninquesi
	mark out, cut and	and materials; use	techniques for	tools and techniques	Select appropriate	Assemble
	shape a range of	vocab to name and	making their product.	for making their	materials, tools and	components to make
	materials.	describe them.		product.	techniques.	taster/working
			Think about their	,		models.
	Use tools e.g.	Measure, cut and	ideas as they make	Measure, mark out,	Measure and mark	
	scissors and a hole	score with some	, progress and be	cut and shape a range	out accurately.	Follow designs and
	punch safely.	accuracy.	willing change things	of materials, using	,	make modifications
			if this helps them	appropriate tools,	Use skills in using	throughout the
	Assemble, join and	Use hand tools and	improve their work.	equipment and	different tools and	assembling process as
	combine materials	equipment safely	. –	techniques.	equipment safely and	necessary.
	and components	and appropriately.	Measure, mark out,		accurately.	Use tools safely and
	together using a	Assemble, join and	cut, score and	Join and combine		accurately.
	variety of temporary	combine materials	assemble	materials, ingredients	Pin, sew and stitch	
	methods (e.g.	in order to make a	components with	and components	materials together	Construct products
	glues/masking tape)	product.	more accuracy.	accurately in	create a product.	using permanent
	and representing a			temporary and		joining techniques.
	variety of techniques	Cut, shape and join	Use finishing	permanent ways.	Follow designs and	
	(e.g. wheel/slider	fabric to make a	techniques		make modifications	Achieve a quality
	mechanisms).	simple product.	strengthen and	Measure, tape or pin,	throughout the	finished product.
			improve the	cut and join fabric	assembling process as	
	Use simple finishing	Use basic sewing	appearance of their	with some accuracy.	necessary.	Weigh and measure
	techniques to	techniques.	product using a range			accurately (time, dry
	improve the		of equipment	Sew using a range of	Cut and join with	ingredients, liquids).
	appearance of their	Choose and use	(including ICT).	different stitches,	accuracy to ensure a	
	product.	appropriate		weave and knit.	good-quality finish to	Apply the rules for
		finishing	Work safely and		the product.	basic food hygiene
	Select and use	techniques.	accurately with a	Follow the rules for		and other safe
	appropriate fruit and	- - - - -	range of simple tools,	basic food hygiene	Weigh and measure	practices e.g. hazards
	vegetables,	Follow safe	equipment and	and other safe	accurately (time, dry	relating to the use of
	processes and tools.	procedures for food	ingredients.	practices e.g. hazards	ingredients, liquids).	ovens.
	Lico basis food	safety and hygiene.	Demonstrative based on the	relating to the use of		
	Use basic food		Demonstrate hygienic	ovens.	Apply the rules for	
	handling, hygienic		food preparation and		basic food hygiene	
			storage.		and other safe	

	practices and personal hygiene.		Follow instructions to weigh and measure ingredients.	practices e.g. hazards relating to the use of ovens.	
Evaluate	Complete and share finished items. Evaluate their product by discussing how well it works in relation to the purpose. Evaluate their products as they are developed, identifying strengths and possible changes they might make. Evaluate their product by asking questions about what they have made and how they have gone about it. Complete games and activities linked to learning across the unit.	Complete and discuss a finished product. Evaluate against their design criteria. Evaluate their products as they are developed, identifying strengths and possible changes they might make. Talk about their ideas, saying what they like and dislike about them.	 Present final product. Apply learning across the unit to complete final games and activities. Evaluate their work both during and at the end of the assignment. Evaluate their products carrying out appropriate tests.	Bread Fashion & Textiles Moving Toys Demonstrate final product. Evaluate a product against the original design specification and suggest changes to the design process for next time. Evaluate it personally and seek evaluation from others.	Test final product against design criteria. Evaluate final products, identifying strengths and areas for development, and carrying out appropriate tests. Record evaluations using drawings with labels. Evaluate against original criteria and suggest ways that the final product could be improved.