



## Design and Technology Skills Progression

Aspects of learning for EYFS planning are taken from 2020 Development Matters and are prerequisite skills for art and design within the national curriculum. The table below outlines the relevant statements taken from the Early Learning Goals in the EYFS statutory framework and the Development Matters age ranges for Three and Four Year-Olds and Reception to match the programme of study for art and design.

Areas of Learning	3 and 4 Year Olds	Reception	ELG	
Learning	Pupils will know how to:	Pupils will know how to:	Pupils will know how to:	
Physical Development	<ul> <li>Use large-muscle movements to wave flags and streamers, paint and make marks.</li> <li>Choose the right resources to carry out their own plan.</li> <li>Use one-handed tools and equipment, for example, making snips in paper with scissors.</li> <li>Use a comfortable grip with good control when holding pens and pencils.</li> </ul>	<ul> <li>Develop their small motor skills so that they can use a range of tools competently, safely and confidently.</li> <li>Use their core muscle strength to achieve a good posture when sitting at a table or sitting on the floor.</li> <li>Develop overall body-strength, balance, coordination and agility.</li> </ul>	<ul> <li>Hold a pencil effectively in preparation for fluent writing- using the tripod grip in almost all cases.</li> <li>Use a range of small tools, including scissors, paintbrushes and cutlery.</li> <li>Begin to show accuracy and care when drawing.</li> </ul>	
Expressive Arts & Design	<ul> <li>Explore different materials freely, in order to develop their ideas about how to use them and what to make.</li> <li>Develop their own ideas and then decide which materials to use to express them.</li> <li>Join different materials and explore different textures.</li> <li>Create closed shapes with continuous lines, and begin to use these shapes to represent objects.</li> <li>Draw with increasing complexity and detail, such as representing a face with a circle and including details.</li> <li>Use drawing to represent ideas like movement or loud noises.</li> <li>Show different emotions in their drawings and paintings, like happiness, sadness, fear, etc.</li> <li>Explore colour and colour mixing.</li> </ul>	<ul> <li>Explore, use and refine a variety of artistic effects to express their ideas and feelings.</li> <li>Return to and build on their previous learning, refining ideas and developing their ability to represent them.</li> <li>Create collaboratively, sharing ideas, resources and skills.</li> </ul>	<ul> <li>Safely use and explore a variety of materials, tools and techniques, experimenting with colour, design, texture, form and function.</li> <li>Share their creations, explaining the process they have used.</li> </ul>	





Progression of Skills									
	EYFS	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6		
Pupils know how to:									
Design	-Create collaboratively, sharing ideas, resources and skills	-Generate ideas using their knowledge of existing productsDesign products that have a purpose and are aimed at an intended userUnderstand and follow simple design criteria.	-Explain how their products will look and work through talking and simple annotated drawingsUse materials and components considering their function and aestheticsUse information technology to communicate their ideas e.g Computer software to help explain an idea	-Explore different initial ideas before coming up with a final designUse annotated sketches and cross-sectional drawings to show particular parts of their products workDevelop and follow simple design criteriaUse CAD to develop an understanding of 3D nets	-Generate ideas using their knowledge existing productsPlan and test ideas using templates and mock upsUse annotated sketches and simple exploded diagrams to explain how particular parts of their products work -Place the main stages of making in a systematic order	-Generate a range of design ideas and clearly communicate final designs -Use exploded diagrams to show how parts will fit togetherTest ideas out through using prototypesDesign products that have a clear purpose and indicate the design features of their products that will appeal to the intended user.	-Develop design criteria to inform the design of innovative, functional and appealing products that are fit for purpose and aimed at a specific userIdentify the design features of their products that will appeal to intended customersUse CAD to develop and communicate ideas -Use annotated sketches, cross-sectional drawings and exploded diagrams to communicate their ideas		





	-Use a range of small	-Measure and mark out	-Cut, shape and join	-Use a range of tools and	-Select from a range of	-Measure and mark out	-Independently plan by
	tools, including scissors,	with support	fabric to make a simple	equipment safely,	tools and equipment,	to the nearest cm and	suggesting what to do
	paintbrushes and cutlery.	-Cut and shape materials	product	appropriately and	explaining their choices.	millimetre	next
		with some accuracy	-Use a basic running	accurately and know	-Select from a range of	-Select from a wide range	-Create step-by-step
		-Use hand tools and	stitch to join materials	basic hygiene procedures	materials and	of tools and equipment	plans as a guide to
		kitchen equipment safely	-Use a range of materials	-Use a wider range of	components according to	including those to cut	making
		and appropriately and	and components	materials and	their functional	wood	-Use a range of tools and
		how to follow hygiene	according to their	components, including	properties and aesthetic	explaining their choices.	equipment safely and
		procedures	functional properties	construction materials	qualities	-Select from a range of	appropriately and know
		-Cut and peel ingredients	including textiles and	and kits, textiles and	Cut and shape materials	materials and	hygiene procedures
			food ingredients	mechanical and electrical	with some degree of	components according to	including storing food
			-Assemble, join and	components.	accuracy	their functional	-Use a broad range of
O.			combine materials,	-Assemble, join and	-Measure, make a seam	properties and aesthetic	materials and
ak			components or	combine material and	allowance, pin, cut,	qualities	components, including
Make			ingredients.	components with some	shape and join fabric with	-Cut, shape, score and	construction materials,
			-Use simple finishing	degree of accuracy.	precision to make a more	assemble materials with	textiles, and mechanical
			techniques to improve	-Measure ingredients	complex product.	precision and accuracy	components
			the appearance of their	using measuring jugs	-Measure and weigh	-Measure and weigh	-Join textiles using a
			product, such as adding		ingredients using scales	ingredients to the	greater variety of
			simple decorationsMeasure and weigh		-Follow a recipe with	nearest gram and millilitre	stitches, such as whip stitch and blanket stitch
			ingredients using		adult support	-Follow a recipe	-Refine the finish using
			measuring cups			-rollow a recipe	techniques to improve
			ineasuring cups				the appearance of their
							product, such as sanding
							-Adapt a recipe to change
							the taste
							the taste
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Ī		-Share their creations,	-Explore and evaluate	-Explore and evaluate	-Explore and evaluate	-Evaluate their ideas and	-Evaluate how	-Consider their design
		explaining the process	existing products mainly	existing products through	existing products,	products against the	developments, in design	criteria as they make
		they have used	through discussions	discussions, comparisons	explaining the purpose of	original design criteria,	helped shape the world	progress and are willing
			-Explain positives and	and simple written	the product and whether	making suggestions for	e.g how pulleys are used	to alter their plans/
			things to improve for	evaluations	it is designed well to	improvements	in wells and gym	recipes sometimes
			existing products	-Explore what	meet the intended		equipment & how	considering the views of
	o e		-Talk about their design	materials/ingredients	purpose		linkages are used in	others if this helps them
	Evaluate		ideas and what they are	products are made from	-Explore what		cherry pickers and	to improve their product
	크		making.	-Evaluate their products	materials/ingredients		umbrellas	
	Š		-Start to identify	and ideas against their	products are made from		-Evaluate their ideas and	
	ш		strengths and possible	simple design criteria	and suggest reasons for		products against the	
			changes they might make		this		original design criteria	
			to refine their existing		-Evaluate their product		making changes as	
			design		against their original		necessary	
					design criteria			
T		-Return to and build on	-Build simple structures,	-Use simple electrical	-Select materials	-Use mechanical systems	-Apply their	-Use mechanical systems,
		their previous learning,	exploring how they can	circuits with support to	considering the	such as levers to create	understanding of how to	such as cams, to create
		refining ideas and	be made stronger, stiffer	create functional	functional properties and	movement	strengthen, stiffen and	movement in their
	Skills	developing their ability to	and more stable	products e.g a lighthouse	aesthetic qualities	in their products.	reinforce more complex	products
	쏤	represent them.	-Create products using	with a bulb	-Apply their		structures in order to	
			mechanisms, such as		understanding of how to		create more useful	
	<u>:</u> 2		levers and sliders		strengthen, stiffen and		characteristics of	
	٦				reinforce more complex		products	
	Technical				structures.		-Use mechanical systems,	
	Ψ				-Use mechanical and		such as pulleys, linkages	
					electrical systems to		and hinges, to create	
					power a vehicle		movement in their	
							products	