

## St. Joseph's Catholic Academy – Design Technology Progression of Skills & Year Group End Points

Nursery	Reception	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6
To make	To make	Describe the purpose	Describe the purpose	Generate ideas for an	Generate ideas for an	Research products,	Research products,
representations using	representations using a	and intended user for	and intended user for	item, considering its	item, considering its	contexts and potential	contexts and potential
a variety of recycled	variety of recycled	the products they	the products they	purpose and the user	purpose and the user	users, using surveys,	users, using surveys,
materials	materials	design and make	design and make			interviews,	interviews,
				Use their research to	Use their research to	questionnaires and	questionnaires and
Mix pre-prepared	Mix pre-prepared	Develop a simple	Develop a simple	develop their own design	develop their own design	web-based resources	web-based resources
ingredients with the	ingredients with the	design criteria as part	design criteria with	criteria	criteria		
support of an adult,	support of an adult,	of the class	some degree of			Use the results of	Identify the needs,
safely and	safely and hygienically		independence	Use annotated sketches	Make labelled drawings	investigations and	wants, preferences and
hygienically		Make simple drawings		to develop their ideas,	from different views	information sources,	values of particular
	Use kitchen utensils for	for their design with	Make simple drawings	indicating the features	showing specific features	including ICT, to	individuals and groups
Stick and decorate	their intended purpose	simple labels	for their design and	that will appeal to	_	develop design ideas	
textiles with support			label parts in more	intended users	Develop a clear idea of		Use the results of
	Stick and decorate	Plan by suggesting	detail		what has to be done,	Draw up a specification	investigations and
	textiles with support	what to do next		Develop a clear idea of	planning how to use	for their design	information sources,
			Begin to select tools	what has to be done, and	materials, equipment and		including ICT, to
	To explore different	Begin to identify and	and materials; using	in what order	processes, and suggesting	Communicate their	develop design ideas
	patterns and decorate	name which tools and	vocabulary to name		alternative methods of	ideas through detailed	
	textiles with support	materials they will	and describe them	Select tools and	making, if the first	labelled drawings,	Draw up a specification
		need and explain why		techniques for making	attempts fail	indicating the features	for their design
		they have made these	Measure, cut and score	their product		that will appeal to	
		selections	with some accuracy:		Measure, mark out, cut	intended users and how	Communicate their
		December Alex	wood, card, paper and	Measure, mark out, cut,	and shape a range of	particular parts will	ideas through detailed
		Describe the	fabric	score and assemble	materials, using	work	labelled drawings,
		characteristics of	Han bound to also and also	components with more	appropriate tools,	Manager and and and	indicating the features
		materials and	Use hand tools safely	accuracy	equipment and	Measure, mark out, cut,	that will appeal to intended users and how
		components that they	and appropriately:	Domanstrata hugiania	techniques	shape and join a range of materials with	
		use	junior hacksaws, glue guns, scissors, needles	Demonstrate hygienic food preparation and	Join and combine	accuracy, using	particular parts will work
		Cut, shape, assemble,	guiis, scissors, fieedies	· ·	materials and	appropriate tools,	WOIK
		join and combine	Assemble, join and	storage		equipment and	Plan the order of their
		materials with	combine materials,	Identify whether	components accurately in temporary and	techniques	work, choosing
		developing accuracy:	including using basic	ingredients used have	permanent ways	teciniques	appropriate materials,
		scissors, glue, tape	sewing techniques	been grown or reared	permanent ways	Apply the rules for basic	tools and techniques,
		Joissons, glue, tape	sewing techniques	been grown or reared	Identify and use ways of	food hygiene and other	and suggesting
		Use basic food		Identify structural	strengthening structures	safe practices e.g.	alternative methods of
		handling, hygienic		features of bridges	Ju chiguichning structures	Juic practices e.g.	ancinative inethous of
		nanding, nyglenic		reatures of bridges	l	l	



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practices and personal	Follow safe procedures	Think about their ideas	Make a lever and linkage	hazards relating to the	making if the first
hygiene	for food safety and	as they make progress	mechanism and a pulley	use of ovens	attempts fail
	hygiene	and be willing change	mechanism		
Investigate and make	Describe how an axle is	things to improve their		Weigh and measure	Use tools safely and
sliders and levers	used to enable wheels	work	Weave using a range of	accurately (time, dry	accurately to produce
	on a vehicle to turn		materials	ingredients, liquids)	well-made, functioning
Evaluate existing (and		Evaluate their product			products
their own) products,	Evaluate design ideas	against the original	Measure, tape or pin, cut	Describe how seasons	
describing what their	and what they are	design criteria,	and join fabric with some	may affect food	Assemble components
purpose is, how they	making, identifying	identifying how well it	accuracy	availability; and how	to make working
work, what materials	strengths and possible	meets its intended	·	food is processed into	models using cams
are used and what	changes they might	purpose	Consider how well their	ingredients that can be	
they like and dislike	make		design is meeting their	eaten or used in	Construct products
about them			intended purpose by	cooking	using permanent
	Evaluate their products		referring to the design	3	joining techniques to
	against their design		criteria and decide	Critically evaluate the	produce a high-quality
	criteria, saying what		whether they need to	quality of the design,	finish
	worked well and what		make any changes	manufacture and	
	could be improved		make any enanges	fitness for purpose of	Pin, sew and stitch
	could be improved		Evaluate their products	their products as they	materials together
			carrying out appropriate	design and make and	create a product
			tests	make necessary	create a product
			tests	modifications	Critically evaluate the
				modifications	
				Front rate that a man do sto	quality of the design,
				Evaluate their products	manufacture and
				against the original	fitness for purpose of
				design specification,	their products as they
				carrying out	design and make and
				appropriate tests	make necessary
					modifications
					Evaluate their products
					against the original
					design specification,
					carrying out
					appropriate tests