

St Anne's Catholic Primary School

'Loving God in all we do'

St Anne's curriculum aims to inspire pupils to learn.

The school's carefully sequenced curriculum provides the opportunities for children to develop their knowledge, understanding and skills in all aspects of their education.

Early Years Foundation Stage Curriculum						
Physical Development – Design and Technology						
Physical Development EYFS Statutory Educational Programme						
Gross and fine motor experiences develop incrementally throughout early childhood.						
Fine motor control and precision helps with hand-eye co-ordination which is later linked to early literacy.						
Through the children's learning opportunities they will explore and play with arts and crafts and the practice of using small tools, with						
feedback and support from adults, allow children to develop proficiency, control and confidence.						
3 and 4-year-olds:	 <u>Physical Development</u> Choose the right resources to carry out their own plan. Use one-handed tools and equipment, for example, making snips in paper with scissors. <u>Expressive Arts and Design</u> Make imaginative and complex 'small worlds' with blocks and construction kits, such as a city with different buildings and a park. Explore different materials freely, in order to develop their ideas about how to use them and what to make. Develop their own ideas and then decide which materials to use to express them. Create closed shapes with continuous lines, and begin to use these shapes to represent objects. <u>Understanding the World</u> Explore how things work. 					
	 Personal, Social and Emotional Development Make healthy choices about food and drink. 					
Reception:	Physical Development • Develop their small motor skills so that they can use a range of tools competently, safely and confidently. Expressive Arts and Design					
	 Explore, use and refine a variety of artistic effects to express their ideas and feelings. Return to and build on their previous learning, refining ideas and developing their ability to represent them. 					

End of Reception	Personal, Social an • Know and	laboratively, sharing ideas, r d Emotional Development talk about the different fact lopment – Fine Motor Skills	esources and skills. ors that support healthy eatin	ng.			
Early Learning Goals	ELG: Expressive Ar Safely use function. Share their ELG: Personal, Soc	 Use a range of small tools, including scissors, paintbrushes. <u>ELG: Expressive Arts and Design - Creating with Materials</u> Safely use and explore a variety of materials, tools and techniques, experimenting with colour, design, texture, form and function. Share their creations, explaining the process they have used. <u>ELG: Personal, Social and Emotional Development – Managing Self</u> 					
		iding the importance of heal ational Curriculu	m Key Stage 1 an	d 2			
			Technology				
The National Curriculum for Design and Technology							
The national curriculum	for aims to ensure tha	t all pupils:	-				
 develop the creat 	tive, technical and prac	ctical expertise needed	d to perform everyday	tasks confidently and	to participate		
successfully in an	increasingly technolo	gical world					
 build and apply a 	repertoire of knowled	ge, understanding and	d skills in order to desig	gn and make high qua	lity prototypes and		
products for a wi	de range of users						
• critique, evaluate	e and test their ideas ar	nd products and the w	ork of others				
• understand and a	apply the principles of i	nutrition and learn how	w to cook				
Aims	Design	Make	Evaluate	Technical	Cooking and Nutrition		
				Knowledge			
Year 1	Use pictures and words to convey what they want to design / make.	Select materials from a limited range.	Explore existing products and investigate how they have been made	Start to use technical vocabulary.	Group familiar food products e.g. fruit and vegetables.		
	, , , , , , , , , , , , , , , , , , ,	Explain what they are	(including teacher-made	Cut out shapes which	Cut and chop a range of		
	Explore ideas by	making.	examples).	have been created by	ingredients.		
	rearranging materials. Select pictures to help	Name the tools they are using.	Talk about their design as they develop and	drawing round a template.	Work safely and hygienically.		
	develop ideas.		identify good and bad points.	Join materials in a variety of ways.	Know about the need for a variety of foods in a diet.		

	Use mock-ups e.g.		Say what they like and	Decorate using a variety	
	recycled material trial		do not like about items	of techniques.	
	, models to try out their		they have made and		
	ideas.		attempt to say why.	Know some ways of	
Year 2	Propose more than one	Discuss their work as it	Decide how existing	making structures	Cut, peel, grate, chop a range of
	idea for their product.	progresses.	products do / do not	stronger.	ingredients.
			achieve their purpose.		
	Use ICT to communicate	Select and name the		Show how to stiffen	Work safely and hygienically.
	ideas.	tools needed to work the	Discuss how closely their	some materials.	
		materials.	finished product meets		Know about the Eatwell Plate.
	Use drawings to record		their own design criteria.	Know how to make a	
	ideas as they are	Explain which materials		simple structure more	Understand where food comes
	developed.	they are using and why.		stable.	from.
	Add notes to drawings to			Attach wheels to a	
	help explanations.			chassis using an axle.	
				Know some different	
				ways of making things	
				move in a 2-D plane.	
Year 3	Develop more than one	Select from a range of	Investigate similar	Use an increasingly	Follow instructions / recipes.
	design or adaptation of	tools for cutting,	products to the one to be	appropriate technical	
	an initial design.	shaping, joining and	made to give starting	vocabulary for tools	Join and combine a range of
		finishing.	points for a design.	materials and their	ingredients.
	Plan a sequence of			properties.	
	actions to make a	Use tools with accuracy.	Research needs of user.	I la de aste a dese sus	Begin to understand the food
	product.	Select from materials	Deside which design idea	Understand seam	groups on the Eatwell Plate.
	Think ahead about the	according to their	Decide which design idea to develop.	allowance.	
	order of their work and	functional properties.	to develop.	Prototype a product.	
	decide upon tools and	Tonctional properties.	Consider and explain	l'inductive à product.	
	materials.	Use appropriate finishing	how the finished product	Sew on buttons and	
	materials.	techniques.	could be improved.	make loops.	
	Propose realistic	teeningues.	coold be improved.	make loopsi	
	suggestions as to how		Discuss how well the	Strengthen frames with	
	they can achieve their		finished product meets	diagonal struts.	
	design ideas.		the user's design criteria.	genaret et eter	
	design ideas.		the oser's design chiefla.		

				Measure and mark	
			Investigate key events	square section, strip and	
			and individuals in design	dowel accurately to 1cm.	
			and technology.		
Year 4	Record the plan by	Prepare pattern pieces as	Draw / sketch existing	Incorporate a circuit into	Make healthy eating choices –
	drawing using annotated	templates for their	products in order to	a model.	use the Eatwell plate.
	sketches.	design.	analyse and understand		
	Use prototypes to	g	how products are made.	Use electrical systems	Understand seasonality.
	develop and share ideas.	Select from techniques	Identify the strengths	such as switches bulbs	Know where and how
		for different parts of the	and weaknesses of their	and buzzers.	ingredients are reared and
	Consider aesthetic	process.	design ideas in relation	Use ICT to control	caught.
	qualities of materials	P	to purpose / user.	products.	
	chosen.		i p,		Prepare and cook using
			Consider and explain	Use linkages to make	different cooking techniques.
	Use CAD where		how the finished product	movement larger or	· · · · · · · · · · · · · · · · · · ·
	appropriate.		could be improved.	more varied.	
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			Investigate key events		
			and individuals in design		
			and technology.		
Year 5	Record ideas using	Develop one idea in	Research and evaluate	Use the correct	Join and combine a widening
	annotated diagrams.	depth.	existing products.	vocabulary appropriate	range of ingredients.
	Ĵ			to the project.	5 5
	Use models, kits and	Select from and use a	Consider user and		Select and prepare foods for a
	drawings to help	wide range of tools.	purpose.	Join materials using	particular purpose.
	formulate design ideas.	-		appropriate methods.	
		Cut accurately and safely	Consider and explain		Know where and how
	Sketch and model	to a marked line.	how the finished product	Create 3=-D textile	ingredients are grown and
	alternative ideas.		could be improved	products using pattern	processed.
		Select from and use a	related to design criteria.	pieces.	
	Decide which design idea	wide range of materials.			
	to develop.		Investigate key events	Understand pattern	
			and individuals in design	layout with textiles.	
			and technology.		
			and technology.		

Year 6	Plan the sequence of	Make prototypes.	Identify the strengths	Cut strip wood, dowel,	Understand and apply the
Teal o	work.	make protocypes.	and weaknesses of their	square section wood	principles of a healthy and
	WORK.	Line we are welled at		•	,
		Use researched	design ideas.	accurately to 1mm.	varied diet.
	Devise step by step plans	information to inform			
	which can be read /	decisions.	Report using correct	Build frameworks to	Choose ingredients to support
	followed by someone		technical vocabulary.	support mechanisms.	healthy eating choices when
	else.	Produce detailed lists of			designing their food products.
		ingredients /	Discuss how well the	Stiffen and reinforce	
	Use exploded diagrams	components / materials	finished product meets	complex structures.	Prepare and cook a variety of
	and cross-sectional	and tools.	the design criteria having		mostly savoury dishes using a
	diagrams to		tested on/discussed	Use mechanical systems	range of cooking techniques.
	communicate ideas.	Refine their product –	outcomes with the user.	such as cams, pulleys and	
		review and rework /	Understand how key	gears.	
		improve.	people have influenced	Use electrical systems	
			design in a variety of	such as motors and	
			contexts.	switches.	
			Investigate key events	Program, monitor and	
			and individuals in design	control using ICT.	
			and technology.	J J	