

By the end of Key Stage 2 pupils, through a variety of creative and practical activities, will be taught the knowledge, understanding and skills needed to engage in an iterative process of designing and making.

As part of their work with food, pupils should be taught how to cook and apply the principles of nutrition and healthy eating. Instilling a love of cooking in pupils will also open the door to one of the great expressions of human creativity. Learning how to cook is a crucial life skill that enables pupils to feed themselves and others affordable and well, now and in later life.

Pupils should be taught to:

- Understand and apply the principles of a healthy and varied diet.
- Prepare and cook a variety of predominantly savoury dishes using a range of cooking techniques.
- Understand seasonality, and know where and how a variety of ingredients are grown, reared, caught and processed.

	Year 2 – Prior learning	Year 3	Year 4	Year 5	Year 6
Themes	•	Structures – (Forest Schools)	Structures: Safari buggies	Structures: Design and create	Structures: To design and
		to make an Iron Age	Electrical: Develop a new	a wooden bridge.	construct an Air raid shelter
		Roundhouse using natural	functional torch design.	Mechanisms: Pop up books	Electrical: Design and develop
		materials in the school	Textiles: Design and create a	using levers and sliders	a steady hand game.
		grounds	book sleeve	Textiles: Design and make a	Food: Celebrating culture and
		Mechanisms: Pneumatic	Food: Adapting a recipe	posy bag	seasonality.
		monsters		Food technology: Seasonality	Forest schools: Wartime
		Textiles – Design and make a		-Excellent small cake and	recipes
		cushion.		pottage	Digital world: Navigating the
		Food: Eating seasonally		Forest Schools	world
				Weaving – wattle and daub	
			 Designing a torch, giving 		 Designing a steady hand
			consideration to the target		game - identifying and naming
Design - Electrical			audience and creating both		the components required
(Understanding			design and success criteria		 Drawing a design from
contexts, users and			focusing on features of		three different perspectives
purposes,			individual design ideas		 Generating ideas through
Generating,					sketching and discussion
developing,					 Modelling ideas through
modelling and					prototypes
communicating					 Understanding the purpose
ideas)					of products (toys), including
					what is meant by 'fit for
					purpose' and 'for



Crawley Ridge Junior School Skills Progression

Design and Technology

	 Making a torch with a 	Constructing a stable base	
	working electrical circuit and	for a game	
Make – Electrical	switch	 Accurately cutting, folding 	,
(Construction)	 Using appropriate 	and assembling a net	
(Planning, practical	equipment to cut and attach	 Decorating the base of the 	ć
skills and	materials	game to a high quality finis	
techniques)	 Assembling a torch 	 Making and testing a circulation 	t
	according to the design and	Incorporating a circuit into	
	success criteria	base	
Evaluation -	 Evaluating electrical 	Testing own and others	
Electrical	products	finished games, identifying	
	 Testing and evaluating the 	what went well and making	
	success of a final product and	suggestions for improveme	t
	taking inspiration from the	 Gathering images and 	
	work of peers	information about existing	
		children's toys	
		 Analysing a selection of 	
		existing children's toys	
Electrical -	 Learning how electrical 	 Learning that batteries 	
Technical	items work	contain acid, which can be	
Knowledge	 Identifying electrical 	dangerous if they leak	
	products	 Identifying and naming the 	:
	 Learning what electrical 	circuit components in a ste	dy
	conductors and insulators are	hand game	
	 Understanding that a 		
	battery contains stored		
	electricity and can be used to		
	power products • Identifying		
	the features of a torch		
	 Understanding how a torch 		
	works		
	 Articulating the positives 		
	and negatives about different		
	torches		