

## WESTON LULLINGFIELDS C.E. PRIMARY SCHOOL DT CURRICULUM

**Overview of Topics** 



## Source: Planbee Scheme

		LITTLE ACORNS – to be confirmed						
		Autumn		Spring		Summer		
١	Year A	MY LITTLE WORLD!	PRINCESSES AND KNIGHTS	DINOSAURS	PIRATES	HOLIDAYS NEAR AND FAR	MINI BEASTS AND MINI WORLDS	
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١	Year	SUPERHEROES!	I LIKE TO PLAY!	THIS IS MY HOME	BABY ANIMALS ON THE FARM	JUNGLE ADVENTURES	LET'S GO SEE	
	B				FARIN			

		Area of	Stable St	ructures	Mech	anical Systems	Соо	king & Nutrition	
		Design	Textiles		Progr	amming and	Inve	entions &	
		Technology			electr	rical systems	Ach	ievements	
					ACC	ORNS			
	A	Autumn			Sp	ring		Sur	nmer
Year	ALL ABOUT ME	CAST	LES	AMAZING ANI	MALS	ARCTIC ADVENTU	JRES	SUN SEA AND SAND	THE SECRET WORLD OF
Α									PLANTS
		Stable Str	uctures			Vehicles		Perfect Pizzas	
		Stable Structu	ures			Mechanical Syste	ems	(link with Seaside Snacks	5
								Y1/2)	
								Cooking & Nutrition	
		• I can identif				I can investigate a r	ange	<ul> <li>I can name a variety of</li> </ul>	
		features of to				of vehicles, identify	ving	pizza toppings.	
		<ul> <li>I know what</li> </ul>	the word			and labelling their		• I can use the model of	
		'stable' mean	s.			features.		the balanced plate to	
		• I can make o	changes to			• I know what an a	xle is.	evaluate how healthy	
		the design of	a stable			• I know what a cha	assis	different pizzas are.	
		structure to m	nake it fit			is.		• I can explore different	
		for purpose.						types of bread and	
			L. L			•		•	

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			• I can explore a range		• I can explore different	evaluate which would	
			of materials and		ways of using axles,	work best for a pizza	
			evaluate the usefulness		chassis and wheels to	base.	
			of their properties for a		create a moving base.	<ul> <li>I can identify which</li> </ul>	
			particular project.		<ul> <li>I can design a vehicle</li> </ul>	food group a variety of	
			• I can explore how to		with wheels, axles and	pizza toppings belong to.	
			make stable structures		chassis, as well as a	• I can sort pizza	
			that hold a given object.		body.	toppings into groups	
			<ul> <li>I can follow a design to</li> </ul>		• I can follow a design to	based on different	
			make a stable structure.		make a moving vehicle.	criteria, e.g. animal vs	
			• I know some ways to		• I can evaluate my	plant products.	
			make a structure more		finished moving vehicle.	• I can explain why each	
			stable.			of the food groups is	
			<ul> <li>I can evaluate my</li> </ul>			important for a balanced	
			finished structure			diet.	
			against a set of given			<ul> <li>I can design and make</li> </ul>	
			criteria.			a healthy pizza following	
						given criteria.	
						<ul> <li>I can evaluate my</li> </ul>	
						finished pizza, saying	
						what I think and feel	
						about it.	
		SUPERHEROES!	TOYS	HOUSES AND HOMES	<b>GREAT FIRE OF LONDON</b>	OUR AMAZING WORLD	TRAVEL AND
		501 2111211025.					TRANSPORT
	Year		Puppets	Moving Minibeasts			Eat More Fruit
	В		Textiles	Mechanical Systems			and Vegetables
							(link with Teddy Bears
							Picnic Y1/2)
				Loop make a sliding			Cooking & Nutrition
			• I can explore a variety	I can make a sliding			I can name a variety of
			of puppets, identifying	mechanism out of card.			fruits and vegetables.
			and labelling their	I know what a pivot			<ul> <li>I can use adjectives to</li> </ul>
			features. • I can cut out	and lever are. • I can use			describe the taste, smell
			felt using a simple	a pivot and lever			and texture of a variety
			template. • I can stick	mechanism using card			of fruits and vegetables.
			pieces of felt together to	and a split pin. • I can			<ul> <li>I know that some fruits</li> </ul>
			make a finger puppet.	make a wheel			and vegetables need to

I can add pieces of felt	mechanism using card	be washed, cut, cored
and other materials to a	and a split pin. • I can	peeled or grated befor
finger puppet to create	match a mechanism to	they can be eaten.
features, such as eyes,	the type of movement	• I understand basic
hats and mouths. • I can	they produce. • I can	food hygiene, e.g.
use running stitch to join	design a moving	washing hands, tying
two pieces of fabric	minibeast picture to	long hair back and
together. • I can use	include a variety of	keeping surfaces clear
overstitch to join two	moving mechanisms. • I	• I can use a knife to o
pieces of fabric	can follow a design to	some fruits and
together. • I can sew a	create a moving	vegetables in differen
button onto a piece of	minibeast picture for a	ways.
fabric. • I can design a	particular purpose. • I	• I can grate an apple
glove puppet for a	can evaluate my finished	and a carrot.
particular purpose. • I	moving minibeast	• I can peel a banan
can follow a design to	picture by identifying	apple and cucumbe
make a glove puppet by	things that worked well	
sewing two pieces of	and things that could be	
fabric together and	improved.	
adding decorations. • I	improved.	
can evaluate my finished		
glove puppet by		
identifying what went		
well and what could be		
improved.		

OAK CLASS						
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	Autumn		· · · · · · · · · · · · · · · · · · ·	Spring		nmer
Year A	Here We Are!	Out of the Shadows	Third Rock from the Sun	Beyond our wildest Imagination	Ruthless Romans	Nurturing Nature
		British Inventors	Bird House			Making Mini
		Y3	Builders Y6			Greenhouses Y4
		Stable Structures	Stable Structures			Stable Structures
		Inventions &				
		Achievements				
		• I can explain how	• I can investigate the			I know what a
		concrete is used to make	appearance and			greenhouse is and how
		structures more stable.	function of a variety of			they work. • I can
		• I can create a structure	different bird houses. • I			explore a range of
		strong enough to hold a	can identify what			different greenhouses. •
		dictionary using just	materials have been			I know how greenhouses
		newspaper and tape.	used to construct a			are used today. • I can
			variety of bird houses			explain how the shape
		I can explain about the	and suggest how the			of a structure affects its
		invention of the	parts have been joined			stability. • I know that
		mackintosh. • I can	together. • I know what			the weight of the
		investigate ways of	a flat pack diagram is			structure needs to be
		making fabric	and can use it to identify			evenly spread on the
		waterproof. • I can	each part of a structure.			base to make it secure. •
		explain about the	• I can create a flat pack			I know that the wider a
		invention of the world	diagram of a			structure's base is, the
		wide web. • I can	constructed bird house.			more stable it will be. • I
		describe how the	• I can draw an exploded			can use 3D nets to
		invention of the internet	diagram. • I can identify the tools associated with			explore potential structures for a
		has changed the world.	basic woodwork. • I can			greenhouse, assessing
			measure, clamp, saw,			their stability. • I can
			sand and join wood. • I			investigate ways of
			can use a hand drill to			making a structure more
			drill a hole in a piece of			stable, e.g. by inserting
			wood. • I know the			dowelling or adding

			safety rules I need to			triangles at the joins. • I
			follow when doing			can experiment with a
			woodwork. • I can			range of materials to
			design a bird house for a			test which would be
			particular bird, taking			most appropriate for
			into account the bird's			making the structure of
			needs. • I can select			a mini greenhouse. • I
			appropriate tools and			can design a mini
			materials to use when			greenhouse using
			making a bird house. • I			specific design criteria.
			can create a sturdy bird			I can select appropriate
			house frame using			tools and materials to
			wood. • I can evaluate			make a mini
			my finished bird house,			greenhouse. • I can
			taking into account the			follow my design to
			views of others to			make a mini
			improve my work. • I			greenhouse. • I can
			can use observation to			evaluate my finished
			evaluate the			mini greenhouse for
			effectiveness of my bird			stability, effectiveness
			house.			and visual appeal.
Year	Fighting Fit	May the Force Be with	Battles, Blackouts and	Extreme Earth	The Indus Valley	The Art of South
В		You	Blitz			America
		Fashion and	Light Up Signs Y3		Programming	
		Textiles Y5	Programming and		Pioneers Y6	
		Textiles	electrical systems		Programming and	
					electrical systems	
					Inventions &	
					Achievements	
		I can explain the process	<ul> <li>I can explore and</li> </ul>		Achievements I can explain how	
		I can explain the process of turning raw cotton	<ul> <li>I can explore and analyse illuminated</li> </ul>			
			-		I can explain how	
		of turning raw cotton	analyse illuminated		I can explain how computers and	
		of turning raw cotton into cloth. • I know that	analyse illuminated signs. • I can create a		I can explain how computers and computer programs are	
		of turning raw cotton into cloth. • I know that products that are woven	analyse illuminated signs. • I can create a simple circuit with		I can explain how computers and computer programs are used in a variety of	
		of turning raw cotton into cloth. • I know that products that are woven together are called	analyse illuminated signs. • I can create a simple circuit with incandescent bulbs and		I can explain how computers and computer programs are used in a variety of products. • I can explain	
		of turning raw cotton into cloth. • I know that products that are woven together are called textiles. • I know that	analyse illuminated signs. • I can create a simple circuit with incandescent bulbs and a switch. • I can describe		I can explain how computers and computer programs are used in a variety of products. • I can explain how modern memory	
		of turning raw cotton into cloth. • I know that products that are woven together are called textiles. • I know that different textiles have	analyse illuminated signs. • I can create a simple circuit with incandescent bulbs and a switch. • I can describe the difference between		I can explain how computers and computer programs are used in a variety of products. • I can explain how modern memory chips work to store	



					views of others to	
					improve my work.	
					I know that Charles	
					Babbage created the	
					first mechanical	
					computer. • I know that	
					Ada Lovelace is referred	
					to as the world's first	
					computer programmer.	
					• I know that Steve Jobs	
					and Steve Wozniak co-	
					founded Apple, Inc. to	
					make the first Apple	
					computers.	
Year	The Game of Survival	The Vikings	A Giant Leap for	Water Everywhere	Listen Up!	The Rainforest
C		C C	Humankind			
-		Chinese Inventions	<b>Building Bridges Y5</b>			Seasonal Food
		Y5	Stable Structures			Cooking & Nutrition
		_				
		Mechanical Systems				
		Achievements	the second second			Lange and the state of the
		I explore how different	I know what beams			I can explain what the
		transmissions create	and pillars are and how			term 'seasonal food'
		different movements. • I	they are used in bridge			means. • I know that
		can use a crank to	construction. • I can			different parts of the
		change the motion on a	predict which beams will			world have different
		transmission from	be strongest from their			seasonal food. • I can
		circular to linear motion.	cross-section. • I can			discuss the benefits and
			test the strength of			problems of unseasonal
		I can explain how the	different beam shapes			food being available in
		invention of paper	using paper and card. • I			shops all year round. • I
		helped shape the world.	can explain what a truss			know that some foods,
		• I can explain the	is and how trusses make			like wheat, are available
		traditional method for	bridges stronger. • I can			all year round in the UK.
		making paper. • I can	identify the three types			I can practise cooking
		test a variety of types of	of trusses commonly			skills including slicing,
		paper for strength,	used in bridge design. • I			dicing, beating,
		absorbency, opacity, etc.	can build a truss bridge			whisking, folding,

<ul> <li>I can make recycled paper. • I know how gunpowder was invented. • I can expl how the invention of gunpowder helped shape the world. • I d explain how the invention of the compass changed the world. • I can make a hanging/floating compass. • I can desi and label my own compass. • I can expl what water-powered machines are and ho they helped change t world. • I can explain why kites were first invented and how th were made. • I can make a variety of kite prototypes and test their effectiveness. • can design, make and evaluate a kite accord to specific design</li> </ul>	40cm using paper straws. • I can use a fair test to evaluate the strength of my truss bridge. • I can explain how arches work to make bridges stronger. • I can test the arch heights to see which can bear the most load. • I can make an arch frame. I can explain how suspension bridges use ain tension forces to work. • I can design, make and w evaluate a prototype suspension bridge using a scale of 1:100 according to specific design criteria	sieving, rolling and grating. • I can follow a recipe to make fairy cakes. • I can describe the cycle of wheat production in the UK. • I can distinguish between fruits that are grown in the UK and those that are grown abroad. • I know how food producers can speed up or slow down the ripening process to make fruits and vegetables available all year round. • I can follow a recipe to make fruit tarts using seasonal fruit. • I can follow a recipe to make stuffed peppers. • I know some of the nutrients we get from fruits, vegetables, meat, fish and dairy products. • I know when certain meats are in season in the UK and
were made. • I can make a variety of kite prototypes and test their effectiveness. • can design, make and		peppers. • I know some of the nutrients we get from fruits, vegetables, meat, fish and dairy products. • I know when
	ding	
		some vegetarian options that provide the same nutrients as meat. • I can explain how fish are caught or reared, processed and used in

						healthy meals. • I can
						use what I have learnt
						about seasonal food to
						design healthy meals
						and menus.
Year	The Art Of Being Human	The Battle of	It's Electric	Crash, Bang, Wallop!	Ancient Greece	Classification
D		Shrewsbury				Connoisseurs
_		Seasonal Stocking		Story Books Y3		Burgers Y6
		Y4		Mechanical Systems		Cooking and Nutrition
		T4 Textiles				
				the second second second second		
		I can explain the		I can explore moving		I know that most foods
		difference between the		parts in storybooks,		we buy have nutrition
		function and visual		suggesting how they		labels to help us make
		appeal of a product. • I		work and what purpose		informed choices about
		can evaluate the		they serve. • I can		what we eat.  I know
		function and visual		explain what the words		that calories come from
		appeal of a variety of		'linkage', 'pivot', 'rotate'		fats, proteins and
		Christmas stockings. • I		and 'lever' mean. • I can		carbohydrates. • I can
		can use pins to		use a paper concertina		evaluate how healthy a
		temporarily fasten two		to make an object pop		burger is based on its
		pieces of fabric		out of a book. • I can		nutrition label. • I can
		together. • I can use		arrange and stick paper		compare different
		running stick, back		between pages to create		burgers and assess
		stitch, overstitch and		a pop-out. • I can use		which is healthiest. • I
		zigzag stitch to join two		levers to create moving		can explain some of the
		pieces of fabric		parts. • I can create		different ways in which
		together. • I can hide		moving wheel		burger patties are
		the finishing knot. • I		mechanisms to create		cooked. • I can follow a
		can identify a variety of		different effects. • I can		recipe to make a beef,
		decorative techniques		experiment with		turkey or vegetable
		that have been used to		different fonts and		burger patty. • I can add
		decorate Christmas		graphic design features.		ingredients to a basic
		stockings. • I can sew a		• I can design pages of a		burger patty to reflect
		button, bead, sequin or		storybook to include		global cuisine. • I can
		pipe cleaner onto a		, moving mechanisms and		follow a recipe to make
		piece of fabric. • I can		appropriate graphic		different burger sauces,
		embroider shapes and		features. • I can follow		including salsa, tzatziki
		patterns into a piece of		my designs to create a		and barbecue sauce. • I
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febrie - Leen vee	atom do o la cuitto montina	een design e huween
fabric. • I can use	storybook with moving	can design a burger
appliqué to add	mechanisms. • I can	menu to incorporate
decoration to a piece of	evaluate how well my	different patties, sides
fabric. • I can design a	moving mechanisms	and sauces. • I can
Christmas stocking	work. • I can evaluate	explore, taste and assess
incorporating a range of	the overall effectiveness	different types of bread
decorative techniques. •	of my storybook	and their suitability for a
I can use a template to		burger bun. • I can offer
cut out front and back		suggestions for some
pattern pieces. • I can		alternatives for bread. •
follow a design to create		I can add mixtures of
a Christmas stocking. • I		herbs and spices to a
can evaluate the		basic bread dough to
function and visual		make flavoured burger
appeal of my finished		buns. • I can design a
Christmas stocking.		burger for a particular
		purpose. • I can design a
		burger for someone
		with particular dietary
		requirements. • I can
		make and evaluate a
		burger, following my
		recipe and design.