

Science					
National Curriculur	n (Knowledge and Skills				
Year 1			Year 2		
 observe changes across the four seasons observe and describe weather associated with the seasons and how day length varies observe closely, using simple equipment perform simple tests gather and record data to help in answering questions use their observations and ideas to suggest answers to questions 			observe closperform sim	servations and ideas	
Suggested Investiga	tions:				
Year 1 and 2 investig		ets <u>https://www.rig</u>	b.org/docs/fizzybottl		
view of the • Key Stage 1	 Children will learn about how light pollution from cities (street lights, building lights, car lights etc) impacts on our view of the night skies Key Stage 1 Light Pollution Lesson plan: <u>https://www.nightblight.cpre.org.uk/images/resources/Seeing_Stars_lesson_plan_KS1.pdf</u> 				
Prior Learning					
already be able to: • Children kn relation to things. The immediate might vary observation	 Children know about similarities and differences in relation to places, objects, materials and living things. They talk about the features of their own immediate environment and how environments might vary from one another. They make observations of animals and plants and explain why some things occur, and talk about changes. (ELG 				
		Key Voc	abulary		
Ti	er 1	Tie	er 2	Tie	er 3
Year 1 Hot Cold Weather Sun Rain Night Day Snow Wind Cloud rocket	Year 2 Rocket	Year 1 Observe change season sunrise sunset question answer observe gather record predict test experiment fuel rocket gas propel	Year 2 Question Answer Observe Test Experiment Fuel Rocket Gas Propel Predict	Year 1 Autumn Spring Summer Winter Chemical reaction	Year 2 Chemical reaction

Science Assessment						
Children working below ARE Children working towards Children working at ARE Children working above ARE ARE ARE Children working at ARE Children working above ARE						

		Geogr	aphy		
 name and loca use world map and oceans studentify seaso relation to the 	n: Pupils should be taught abo ate the world's seven continer ps, atlases and globes to ident udied at this key stage nal and daily weather pattern e Equator and the North and S	ut: hts and five occ ify the United s in the United	eans Kingdom and its cour		
	the Earth look like from space		es and atlases to mee	t the objectives above	2.
Age Related Subject	t Skills (Progression Guidance	e):			
Year 1			Year 2		
<u>Using maps</u>			<u>Using maps</u>		
• Use relative like, dislike	le picture map to move aroun e vocabulary such as bigger, s onal language such as near an	maller,	• Use simple West)	ute on a map compass directions (N	
and down,	left and right, forwards and b		recognise la	photographs and plan andmarks and basic h	
Map knowledge	maps to identify the UK in its p	ocition in	features Map knowledge		
the w <mark>orld.</mark>	indps to identify the OK in its p	031001111		name on a world map	and alobe the
	to locate the four countries an	d capital		nents and five oceans	-
cities of UK and its surrounding seas • Locate on a globe and world map the hot and cold					
Making maps				e world including the l	Equator and the
	<mark>: maps, including</mark> appropriate s		North and S	South Poles	
	es to represent places or featu		Making maps		
 Use photog 	graphs and maps to identify fe	atures		ike a map of real or in	
(e.g. add detail to a sketch map from aerial					
	 photograph) Use and construct basic symbols in a key 				
Prior Learning			Use and cor		пп и кеу
Forever Firs childrer Maths; SSM ELG • Use everyd quantities a	n in Year 1 working at ARE sho lay language to talk about size and objects and to solve prob create and describe patterns.	, weight, capa lems.	acity, position, distan		
-	ical language to describe them			er yddy Objects arfu sif	apes and use
UTW; The World EL					
	ut similarities and differences i	in relation to p	places, objects, mater	ials and living things.	
	the features of their own imn				from one another.
 Make obse 	rvations of animals and plants	s and explain v	why some things occu	ır, and talk ab <mark>out cha</mark>	nges.
	n in Year 2 working at ARE sho		e able to:		
See Year 1	Progression statements above				
		Key Voc	abulary		
Ti	ier 1	Tie	er 2	Tie	er 3
Near	Sun	Left	Season	United Kingdom	Autumn
Far	Windy	Right	Seasonal	Countries	Summer
Up	Snow	World	Daily	Continents	Winter
Down	Cold	Seas	Weather	Europe	Spring
Wet	Hot	Oceans		North/South	Equator
Rain				America	North and South
				Antarctica	Poles
				Australia	North
				Africa	South
				Asia	Map

Atlas Globe

Geography Assessment					
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	Design and	Technology	
 select from and use a rafinishing] generate, develop, mod where appropriate, in select from and use a w and ingredients, according 	nould be taught to: nisms [wheels and axles], in thei ange of tools and equipment to del and communicate their ideas formation and communication t vide range of materials and com rding to their characteristics	ir products perform practical tasks [e.g. cutti s through talking, drawing, templa echnology ponents, including construction r	ites, mock-ups and,
	<pre>owledge and Skills to be learne w to make a moving vehicle inco</pre>		
	Age Related Subject Skil	Is (Progression Guidance):	
	esign and the intended emplates and mock ups house sign by drawing on own og Is and equipment erials and components eristics ety ates at and shape materials and he materials and king materials e.g.	 Evaluate Talk about their design ideas Make simple judgements about against design criteria Suggest how their products of products and components us Investigate - what products at they are made and what mate they are made and what mate they are made and what mate they are made and what materials and components Understand about the simple materials and components Understand about the movemer mechanisms including levers and axles (Year 2) Understand that food ingred according to their sensory ches they are undertaking Understand how freestanding stronger, stiffer and more states 	out their products and ideas could be improved Evaluating sed are, who they are for, how terials are used e working characteristics of ment of simple , sliders (Year 1) wheels ients should be combined laracteristics ocabulary for the projects g structures can be made
design	ildren working at ARE should a	ulready be able to:	
 Physical Development (40-60 months) Use simple tools to effect a Handle tools, objects, consimaterials with safety and i Show understanding of ho equipment safely (ELG) Handle tools and equipment 	changes in materials struction and malleable increasing control w to transport and store ent effectively	 Expressive Arts and Design (40-60 months) Understand that different monometric create new effects Manipulate materials to ach Construct with a purpose in resources Use simple tools and techning appropriately Select appropriate resources and join materials they are solved and techniques and techniques, experiment design, texture, form and further the solution of the solution. 	a mind, using a variety of iques competently and es and adapts work where needed to shape, assemble joining riety of materials, tools ting with colour,
		cabulary	
Tier 1		er 2	Tier 3
Fast Slow Faster	measure saw join	wood card plastic	Axels Elastic band

Slower	design	characteristics	
Cut	materials	evaluate	
Glue			
Wheels			
Scissors			
tape			

Design and Technology Assessment					
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Computing						
National Curriculu	m:					
execute by fol	 understand what algorithms are; how they are implemented as programs on digital devices; and that programs execute by following precise and unambiguous instructions § create and debug simple programs § use logical reasoning to predict the behaviour of simple programs 					
Computing Strand	: Programming					
Topic Links: To us	e a programmable ro	bot to follow instru	ctions			
• •	ct Skills (Progression	-				
			eBot to navigate incr		ites and are able to	
-			the intended destina		d awa alala ta dahara	
		oes not reach the int	ot or Kodable to con ended destination	npiele a set lask and	a are able to debug	
			navigate increasingl	v complex routes. an	d are able to	
•			the intended destina	•		
		Key S				
• Explore a range	e of control toys and	-		everyday devices ca	n be controlled	
	nes when individual			robot using appropr		
pressed o <mark>n a ro</mark>	obot			estimate distances		
 Follow instruct 	ions to move around	a course		nce of instructions to		
	instructions to move	e their peers		robot to carry out a		
around a cours			route to include	e direction, distance	and turn	
	ces of controlling oth		•			
	g devices, music pla					
	recording equipment and digital cameras Other Key Areas of Learning:					
-						
links to compute						
Give each other direction.	clear instructions to th	eir partner to move ar	ound a maze/grid. Llin	k their vocabulary to m	naths position and	
	ons to move around a g	rid by using their knov	vledge of mathematica	l vocabulary.		
		he buttons tell the cor				
		lve technology and co	ntrol such as a microwa	ave, laptop etc. They v	vill start to talk about	
	d to be controllable.	hat they gave their ne	ers. Begin to recognise	similarities with giving	instructions and	
pressing buttons			ers. Degin to recognise			
Prior Learning						
	en working at ARE sh	ould already be abl	e to:			
(40-60 Months)						
 Complete a simple program on a computer. Uses ICT hardware to interact with age-appropriate computer software. 						
(Early Learning Go						
· · ·	-	ology is used in plac	es such as homes an	d schools.		
 Select and use technology for particular purposes. 						
Key Vocabulary						
Tie		Tie		Tie	er 3	
Turn	Shape Steps	Programme Instruction	Devices Right-angled	Sequence		
Move Forwards	Stop	Direction	Beginning			
Backwards	Start	Plan	End			
Left						
Right						

Computing Assessment					
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