Everyday Materials		Science Knowledge organiser		Learning lens: Geology Class: Year 1			
Previous Knowledge				The key skills we want pupils to use during this topic:			
Objects look and feel different based on the material they are made from. Using different materials when painting and making art.			Identify and al, rock.	Identify and classify - classify materials objects are made from and classify them into wood, plastic, glass, met- al, rock.			
Project Hook or 'Wow' memory			Research –	which materials a	are waterproof ?		
Making and testing waterproof hats			Report findi to draw sim	Report findings by talking and writing about them, displaying or presenting results and conclusions . Use results to draw simple conclusions, make predictions , suggest improvements and ask more questions.			
Learning Steps Key Knowledge (answers)			Gather, reco	ord, sort and pres	sent data in a variety of ways to	help in answering questions.	
	ng steps ney knowledge (unswers)		Kaunaashulang				
What materials did the Three Little Pigs use to build their	Object- the house they made. Material- the house was too weak and bendy so if	 -what the object (house) is made from. Straw– t blew down easily in the wind 	Key vo	Key vocabulary			
houses with? Did they work well? (Identify and classify)	Sticks– This house was stronger but still h Bricks—This house was made from rect	Sticks– This house was stronger but still blew down easily Bricks—This house was made from rectangular blocks of baked clay which were very			A thing that can be used. For example a door, chair, car, table.		
What are the different types of	Paper, for example paper books. Brick-	brick houses, fabric- clothing made from fabric,	Material		Materials are what an object is made from.		
materials? (Identifying and	stone- stepping stones plastic- plastic to	ys, wood– wooden furniture, metal– metal tools,	Smooth		Smooth objects have no lumps and bumps		
V/high motorials are hard soft	Water - utilining water grass grass which	IW.	Bendy		Bendy things can be folder	d easily	
stretchy, rough, smooth, shiny,	Wood is dull often not bendy, hard and r	not bendy, opaque. Plastic– normally bendy ,	Waterpr	oof /not	If something is waterproof it keeps water out. It keeps things dry. If an object or substance is opaque you cannot see through it.		
dull bendy and not bendy, opaque, transparent? Compar-	smooth sometimes transparent. Glass– hard, not bendy, smooth mostly t	transparent. Metal- hard, not bendy can be rough	Opaque				
ative testing and pattern	or smooth, often shiny sometimes dull, c	paque. water	Transpar	rent	If and object is transparent you can see through it		
Which materials are hard, soft, stretchy, rough, smooth, shiny,	Materials to test are rock, brick, paper, fa Rock– hard, not bendy, rough sometime	abric, elastic, foil s smooth, dull, opaque. Brick-hard, not bendy,	Absorbe	nt	If something is absorbent it soaks water up.		
dull bendy and not bendy opaque, transparent? Compar-	rough sometimes smooth, dull, opaque. sometimes shiny, opaque. Fabric- soft so	Paper- bendy sometimes stretchy, smooth, dull ometimes stretchy, smooth or rough, sometimes	Not abso	orbent	If something is not absorb	If something is not absorbent it does not soak water up.	
ative testing and pattern	rough if scrunched up- shiny, bendy, opa	ique.					
Which is the best material for a waterproof hat/umbrella? (Fair testing) Design using predic- tions	Good waterproof materials would be pla	Istic, foil, leather, polyester	Statutory Requirements				
	Materials that are too heavy would be brick, rock, metal,	I can distinguish between an object and the material from which it is made.					
Which is the best material for a waterproof hat/umbrella? (Fair testing)	Good waterproof materials would be pla Non waterproof materials would be cott Materials that are too heavy would be b	.stic, foil, leather, polyester on (most fabrics) paper, wood, rick, rock, metal.	 I can identify and name a variety of everyday materials including wood, plastic, glass, metal, water and rock. I can describe simple physical properties of a variety of everyday materials. 				
			I can compare and group together a variety of everyday materials on the basis of their simple physical properties.				