	Everyday Materials	Everyday Materials	Rocks	States of Matter	Properties and changes of materials	
	Pupil can identify a range of natural and	Pupil can explain the properties of	Pupil can group rocks by their	Pupil can define and group a range of	Pupil can group most everyday	
	man-made materials from which objects	materials which make them suitable for	appearance and physical properties	materials as solids, liquids and gases	materials on the basis of their	
	are made	a purpose	with accurate reasoning relating to	Pupil can explain that materials can	properties explaining their similarities	
	Pupil is aware that objects are made	Pupil can demonstrate how a wide	colour, hardness, grain or crystal	change their state and that this is	and differences.	
	from certain materials dependent on	range of materials are suitable for the	composition	affected by temperature	Pupil can identify materials which are	
	their properties	same purpose	Pupil can describe the structure of the	Pupil can explain the different	soluble in liquids and describe the	
	Pupil can use a range of vocabulary to	Pupil can use their knowledge of	Earth and where the different types of	temperatures at which water changes	process as dissolving.	
	describe the properties of materials	materials to suggest different ways they	rocks may be found	state and can suggest how this could be	Pupil can explain how materials	
	Pupil suggests different ways to	could be grouped e.g. hardness;	Pupil can explain how igneous,	investigated/measured	dissolved in a solution can be	
	investigate the properties of materials	flexibility	metamorphic and sedimentary rocks	Pupil can describe the process of	recovered.	
	to test if they would be suitable for	Pupil has investigated the properties of	are formed	evaporation and condensation giving	Pupil can suggest and use a range of	
	making an object	materials extensively and understands	Pupil can explain the rock cycle with	examples from the environment around	methods to separate materials from	
		that the shapes of some solid objects	simple scientific vocabulary	them	mixtures based on their knowledge of	
		can be changed.	Pupil uses their knowledge of rock	Pupil can describe how evaporation and	the properties of these materials.	
		Pupil can use appropriate language to	formation to explain how fossils, from	condensation occur within the water	Pupil can describe different uses for	
		describe the change of shape of some	previously living animals/plants, are	cycle	common everyday materials based on	
		solid objects when pressure is applied in		Pupil can explain factors, such as wind,	their properties.	
		different ways	Pupil can describe how soils are formed	temperature, surface of materials which	Pupil can explain the differences	
ırd		Pupils can name a scientist who has	and include organic matter and	may be perceived to affect the rate of	between reversible and irreversible	
ng		developed useful new materials	inorganic materials	evaporation and/or condensation	changes, giving examples of both.	
Sta		explaining what property this material			Pupil understands (and give examples)	
pə:		has which makes it useful			that some irreversible changes can	
Expected Standard					result in the formation of new	
Exp					materials.	
					Pupil can describe some materials	
					which have been manufactured by	
					irreversible (chemical) change and	
					explain how the properties of the new	
					materials make them useful to man.	
					Pupil can explain why some materials	
					are not suitable for particular uses	
					based on their knowledge of the	
					properties of materials.	

	stretchy; elastic; stiff; shiny; dull; rough; smooth; bendy; not bendy; flexible; rigid; solid; liquid; waterproof; absorbent; not absorbent; transparent; opaque; brick; wood; plastic; metal; fabric; wool; foil; elastic; man made; natural; manufactured; object.	properties; change; bake; bend; twist; stretch; squash; heat; cool; freeze; melt; boil; metal; plastic; wood; paper; glass; clay; rock; fabric; sand; hard; soft; rough; smooth; shiny; dull; bendy; waterproof; absorbent; non-absorbent;	rock; soil; appearance; grain; crystal; particle; permeable; impermeable; porous; sedimentary; metamorphic; igneous; rock cycle; bedrock; weathering; erosion; organic; peat; humus; loam; absorbent; impervious; molten; lava; fossil; texture; sand; gravel; clay; Moh's scale; sandstone; granite; marble; limestone; flint; slate; chalk; characteristics; volcano; inorganic; organic	matter; solid; liquid; gas; vapour; expand; contract; particles; thermometer; temperature; degrees; Celsius; heating; cooling; freezing; melting; dissolve; soluble; solution; thermometer; energy; change of state; Water Cycle; evaporation; condensation; evaporate; condense; degrees	freezing; melting; boiling; burning; solid; liquid; gas; properties; solution; solute; solvent; mixture; filter; sieve; evaporation; decanting; sieving; condensation; saturated; temperature; Celsius; state; reaction; chemical; reversible; irreversible; conductivity; brittle; thermal; flexible; waterproof; synthetic; absorbent; rigid; natural; hard; permeable; impermeable; hardness; conductor; insulator; transparent; magnetic; non-magnetic	
Scientists [			Mary Anning			
CPA						