## **KNOWLEDGE PROGRESSION YEAR GROUP OVERVIEW – Science (Chemistry)**

Matter St. Norw the St. Is know the ofference between and the difference between and the collections of matterials and proper risis and proper risis.  Matter St. St. Norw the st. St. Is know the difference between and the collections of matterials and the collections of matterials and the configuration of the difference between and they notice restriction, with a similar analysis which is made proper risis.  Matter St. St. Norw the st. Is known the st. Norw the difference between a difference between and they notice restriction, with a similar analysis which is made they notice restrictions of matterials and the convolval materials, with the strength of the surface	Mater ials and their properties SCN.2 know the names of some simple materials and their properties SCN.2 know the properties.  Mater ials and their properties ials and their properties.  Mater ials with similar and/or different properties.  Mater ials know the difference between an object and the materials and which it is made stretching water to sand) including wood, plastic, glass, metal, water, rock and more and group rocks based on their appearance and physical properties between an object and the materials and the difference between an object and the materials and which it is made stretching water to sand) including wood, plastic, glass, metal, water, rock and more and group rocks based on their appearance and physical properties (e.g. adding water to sand) including wood, plastic, glass, metal, water, rock and more and group rocks based on their appearance and the compare the suitability of a variety of everyday materials, water, rock and more and group rocks based on their appearance and the compare the suitability of a variety of everyday materials, water, rock and more and group rocks based on their appearance and the compare the suitability of a variety of everyday materials, water, rock and more arriety of everyday materials will dissolve in liquid to form a solution and describe how to recover a substance from a solution are solution.  SCS.2 know how to compare and group rocks based on their appearance and the changes of the waterials will appear annea and group rocks based on their appearance and the water to know fossili are formed when things that hav	SC7.1 know how the properties of the different components of a mixture lead to different methods of separating them     SC7.2 know the difference between a
and their materials may be materials and be changed by squashing, before compare and group to compare and group to be supported by the properties.  If the properties of the changes of squashing materials and be changed by squashing, bending, twisting and the changes of the changed by squashing, bending, twisting and the changes of the changed by squashing, bending, twisting and the changes of	ials and their proper rites  SCN.2 know how to explore collections of materials, with properties.  SCR.2 know the properties.  SCR.2 know the properties.  Indicate the changes of some simple materials and their properties.  Indicate the changes of some simple materials and their properties.  SCR.2 know the properties.  Indicate the changes of some simple materials and their materials and the changes of some simple materials and the materials and the changes of some materials and the materials and the changes of some simple materials and their materials and the changes of some simple materials and their materials and the materials and the changes of some simple materials and the materials and the changes of some simple materials and the materials and the changes of some stretching of a variety of everyday materials including wood, plastic, glass, metal, water, rock and more or everyday materials including wood, metal, glass, plastic glass, plastic glass, plastic glass, plastic glass, plastic water, rock and group rocks based on their appearance and physical properties of a variety of everyday of a variety	the properties of the different components of a mixture lead to different methods of separating them  • SC7.2 know the difference between a
	transparent) of a variety of everyday materials  • SC1.4 know a variety of everyday materials and compare and group them together on the basis of their simple physical properties  • SC5.4 know the the simple physical properties  • SC5.5 know that dissolving, mixing and changes of state are reversible changes through investigation  • SC5.5 know that dissolving, mixing and changes of state are reversible changes through investigation  • SC5.6 know that dissolving mixing and changes of state are reversible changes in the formation of new materials and that this kind of change is not usually reversible, including changes associated with burning and the action of acid on	physical change  • SC7.3 link knowledge of chemical and physical changes to reactions with

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Strand	Nursery	Reception	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6	Year 7
States	•	SCR.3 know some			/	SC4.1 know how to			SC7.4 know how
of		materials can				compare and group			the properties of
Matte		change, (e.g. ice				materials together			solids, liquids and
r		in the water tray,				according to			gases are
•		baking; combing				whether they are			determined by
		ingredients;				solids, liquids or			the particle
		turning bread into				gases			model
		toast)				<ul> <li>SC4.2 know that</li> </ul>	1		
						some materials			
						change state when			
						they are heated or			
						cooled, and	1		
						measure or			
						research the			
						temperature at			
						which this happens			
						(°C)			
						SC4.3 know the part			
						playe <mark>d by</mark>			
						evapora <mark>ti</mark> on and			
						condensation in the	1/ n 1/		
						water cyc <mark>l</mark> e and	M 1/1 10		
						associate the rate	W V 1 3 3		
						of evap <mark>ora</mark> tion with	1 7 1 / 3		
						tempe <mark>ratu</mark> re	17 / / /		

## Flying High Trust