

	Purston Infant School – Progress Grid							
	Working Scientifically							
	Three and Four-Year	<u>Reception</u>	<u>ELG</u>	<u>Area</u>	<u>Year 1</u>	Year 2		
	<u>Olds</u>							
	<ul> <li>Understand</li> </ul>	<ul><li>Learn new</li></ul>	<ul><li>Make</li></ul>	Questioning	<ul> <li>Ask simple</li> </ul>	<ul> <li>Suggest ideas</li> </ul>		
	'why'	,		and predicting	questions	<ul> <li>Ask and answer questions</li> </ul>		
	questions,	like, 'Why do out more and to	about what they have heard and ask questions to clarify their			using observations		
				Planning and	<ul><li>Perform</li></ul>	<ul> <li>Carry out investigations with</li> </ul>		
	you think the	check what has been		carrying out	simple tests to	some support		
<u>≥</u>	caterpillar	said to them		investigations	help answer			
<u> </u>	got so fat?'  • Articulate their ideas and thoughts in well-		understanding.		questions			
Working Scientifically		9		Taking and	<ul> <li>Use simple</li> </ul>	<ul> <li>Gather and record data with</li> </ul>		
<u>cie</u>		formed sentences		recording	equipment	some support		
SB		<ul> <li>Describe events in</li> </ul>		observations,	<ul> <li>Observe</li> </ul>			
iž		some detail		measurements	closely			
Vol		<ul> <li>Use talk to work out</li> </ul>		and results				
_		problems and		Explaining	<ul> <li>Talk about</li> </ul>	<ul> <li>Use simple scientific language</li> </ul>		
		organise thinking and		results and	what they	to explain results		
	activities. Explain			drawing	have found	<ul> <li>Identify and classify objects as</li> </ul>		
		how things work and		conclusions	out using	part of an investigation		
		why they might			simple			
		happen			scientific			
		<ul> <li>Use new vocabulary</li> </ul>			vocabulary.			
		in different contexts.						



	Physics						
	<u>Area</u>	Three and Four-Year Olds	<u>Reception</u>	<u>ELG</u>	Year 1	Year 2	
Physics	Everyday Materials	<ul> <li>Use all their senses in hands-on exploration of natural materials</li> <li>Explore collections of materials with similar and/or different properties</li> <li>Talk about what they see, using a wide vocabulary</li> <li>Explore and talk about different forces they can feel</li> <li>Talk about the differences between materials and changes they notice.</li> </ul>			<ul> <li>Distinguish between an object and the material from which it is made</li> <li>Identify and name a variety of everyday materials including wood, plastic, glass, metal, water and rock</li> <li>To describe the simple physical properties of a variety of everyday materials</li> <li>Compare and group together a variety of everyday materials based on their simple properties</li> </ul>	<ul> <li>Identify and compare the suitability of a variety of everyday materials including wood, metal, plastic, glass, brick, rock, paper and cardboard for particular uses</li> <li>Find out how the shapes of solid objects made from some materials can be changed by squashing, bending, twisting and stretching</li> </ul>	



	Biology						
	<u>Area</u>	Three and Four-Year Olds	<u>Reception</u>	<u>ELG</u>	<u>Year 1</u>	<u>Year 2</u>	
	Seasonal Changes	Talk about what they see, using a wide vocabulary	<ul> <li>Describe what they see, hear and feel while they are outside</li> <li>Understand the effect of changing seasons on the natural world around them</li> </ul>	Understand some important processes and changes in the natural world around them, including the seasons and changing states of matter.	<ul> <li>Observe changes across the four seasons</li> <li>Observe and describe weather associated with the seasons</li> <li>Observe and describe how the day length varies based on the season</li> </ul>		
Biology	Animals	<ul> <li>Talk about what they see, using a wide vocabulary</li> <li>Understand the key features of the life cycle of a plant and an animal</li> <li>Begin to understand the need to respect and care for the natural environment and all living things</li> </ul>	•	Explore the natural world around them, making observations and drawing pictures of animals and plants	<ul> <li>Identify and name a variety of common animals including fish, amphibians, reptiles, birds and mammals</li> <li>Identify and name a variety of common animals that are carnivores, herbivores and omnivores</li> <li>Describe and compare the structure of a variety of common animals (fish, amphibians, reptiles, birds and mammals including pets)</li> </ul>	<ul> <li>Notice that animals, including humans have offspring which grow into adults</li> <li>Find out about and describe the basic needs of animals, including humans, for survival (water, food, air)</li> </ul>	



Humans	<ul> <li>Talk about what they see, using a wide vocabulary</li> <li>Begin to make sense of their own lifestory and family's history</li> </ul>	<ul> <li>Know and talk about the different factors that support their overall health and wellbeing:</li> <li>regular physical activity</li> <li>healthy eating</li> <li>toothbrushing</li> <li>sensible amounts of 'screen time'</li> <li>having a good sleep routine</li> <li>being a safe pedestrian</li> </ul>	Manage their own basic hygiene and personal needs, including dressing, going to the toilet and understanding the importance of healthy food choices	Identify, name, draw and label the basic parts of the human body and say which part of the body is associated with each sense	<ul> <li>Notice that humans have offspring which grow into adults</li> <li>Find out about and describe the basic needs for survival (food, water, air)</li> <li>Describe the importance for humans of exercise, eating the right amounts of different types of food, and hygiene</li> </ul>
Plants	<ul> <li>Talk about what they see, using a wide vocabulary</li> <li>Plant seeds and care for growing plants</li> <li>Begin to understand the need to respect and care for the natural environment and all living things</li> </ul>	<ul> <li>Explore the natural world around them</li> <li>Describe what they see, hear and feel while they are outside</li> </ul>	Explore the natural world around them, making observations and drawing pictures of animals and plants	<ul> <li>Identify and name a variety of common wild and garden plants, including deciduous and evergreen trees</li> <li>Identify and describe the basic structure of a variety of common flowering plants, including trees</li> </ul>	<ul> <li>Observe and describe how seeds and bulbs grow into mature plants</li> <li>Find out and describe how plants need water, light and a suitable temperature to grow and stay healthy</li> </ul>





	Chemistry							
	<u>Area</u>	Three and Four-Year Olds	<u>Reception</u>	<u>ELG</u>	Year 1	Year 2		
Chemistry	State of matter	<ul> <li>Talk about what they see, using a wide vocabulary</li> <li>Talk about the differences between materials and changes they notice.</li> </ul>	•	Understand some important processes and changes in the natural world around them, including the seasons and changing states of matter.	•	•		