



TSS Primary Science 2021-2022 Year 4 Block 4 States of Matter

Block	Unit	Key Targets and Learning Objectives	Key Activities	Key vocabulary
Working Scientifically		<ul style="list-style-type: none"> ➤ To make careful observations ➤ To classify objects into solids, liquids and gas ➤ To take simple recordings and measurements ➤ To record findings and present them in different ways, e.g. drawings, charts etc 		
1	States of Matter	<ul style="list-style-type: none"> ➤ To identify differences between solids and liquids. ➤ To compare and group materials together, according to whether they are solids, liquids or gases ➤ To observe changing states when materials are heated or cooled ➤ To know the boiling point and freezing point of water ➤ To identify the part played by evaporation and condensation in the water cycle 	<ul style="list-style-type: none"> ➤ Melting ice balloons ➤ Classifying different materials in S, L & G ➤ Observe evaporation over time ➤ Make ice cream in a bag ➤ Make the water cycle ➤ Separating solids from liquids 	Solids, liquids, dissolve, separate, sieve, filter, vapour, melted, heating, freezing, cooling, evaporate, condensation
		Going Green Link: Discuss oil spills in the oceans and the effect on marine life. How can we separate the oil from the sea water? Discuss specific oil spills.	Integration of technology: Using an app which simulates how matter changes within states, especially in relation to heating & cooling.	