



All Saints CE Primary School and Nursery

Medium Term Planning



Class teacher: Mrs Ramzan Year group: 4 Term: Spring 1 Subject: Science - States of Matter

Week Beginning	Learning Goal (LG)	Brief outline of lesson content (or where this can be found/unit found in, if for example it is a published scheme such as Science)	Key Vocabulary covered
1	To understand the differences between a solid, liquid and gas.	WRMH - Lesson 1, Twinkl L1 Compare and group materials according as to whether they are solids, liquids or gases.	solid, liquid, gas, volume, states of matter, particle
2	To identify and explore the properties of gases.	WRMH - Lesson 2, Lesson 3, Twinkl L2 Activity looking at air and changing states.	Pouring solid, volume, oobleck, flow, states of matter, oxygen, carbon dioxide, particles
3	To know that materials change state when heated or cooled.	WRMH L5 and L6 - plan and investigate materials and melting.	Changing state, heat, cool, freezing, melting, boiling, condensation, evaporation
4	To know that different materials change state at different temperatures.	WRMH L5 and L6 - research the temperature at which materials change state and use this to answer questions.	Degrees Celsius, temperature, thermometer, stopwatch, beaker, temperature, observe, predict, data, evaluate, conclusion
5	To understand the process of evaporation.	WRMH L8 and L9 - investigation to explore process of evaporation	Degrees Celsius, temperature, thermometer, stopwatch, beaker, temperature, variables (independent, dependent, controlled)
6	To understand the process of condensation	WRMH L7, Twinkl - investigation to explore process of condensation	Condensation, atmosphere, precipitation, evaporation, water cycle
7	To know what the water cycle is.	WRMH L7, Twinkl - understand how evaporation and condensation are part of the water cycle.	Water Cycle, Condensation, atmosphere, precipitation, evaporation