

Topic	States of Matter
Pre-school	<ul style="list-style-type: none"> • Comment and ask questions about aspects of their familiar world such as the place where they live or the natural world. (The World 30-50) • Talk about some of the things they have observed such as plants, animals, natural and found objects. (The World 30-50) • Beginning to understand 'why?' and 'how?' questions. (Understanding 30-50)
Reception	<ul style="list-style-type: none"> • Look closely at similarities, differences, patterns and change. (The World 40-60) • Children follow instructions involving several ideas or actions. They answer 'how' and 'why' questions about their experiences and in response to stories or events. (Understanding ELG) • Know about similarities and differences in relation to places, objects, materials and living things. Make observations of animals and plants and explain why some things occur, and talk about changes. (The World ELG)
Year 1	
Year 2	
Year 3	
Year 4	<ul style="list-style-type: none"> • Can they compare and group materials together, according to whether they are solids, liquids or gases? • Can they explain what happens to materials when they are heated or cooled? • Can they measure or research the temperature at which different materials change state in degrees Celsius? • Can they use measurements to explain changes to the state of water? • Can they identify the part that evaporation and condensation has in the water cycle? • Can they associate the rate of evaporation with temperature? <p>Challenge</p> <ul style="list-style-type: none"> • Can they group and classify a variety of materials according to the impact of temperature on them? • Can they explain what happens over time to materials such as puddles on the playground or washing hanging on a line? • Can they relate temperature to change of state of materials?
Year 5	
Year 6	